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 Price, Jennifer L.
 Raines, Tracy M.
 Yu, Yang
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 15 Page, Amy
 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Kricker, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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20	ctcaacctcg	aggggtgattg	tcttgccagt	gagtgttttc	acgaagattt	gcatcttgaa	1200
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<210> 29

<211> 1250

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(1250)

<223> n = A,T,C or G

<400> 29

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	aggatgaaca	atcttgatct	ctccaaaggt	tacactgagt	ttagaccaag	tgagaaattc	180
	agtttccagg	agaacaatct	taacttcaac	atgttggaat	tggatggtaa	atttggtgaa	240
	agcatcatgg	ggaagacttc	gatgcagagc	aatgtttata	atatgaatac	tgttttccag	300
	agaatgact	ttaagagtgg	aggcaacatg	aaagttaaca	agtataatgg	taatgttggt	360
40	gctaacaagg	agatgagcaa	caacaaacat	aacaacaact	gcaatgataa	tgggaatatg	420
	aatttggtctg	ttgacaagag	gtttaaaacc	ttgccagctt	cggagactct	tccgaggaat	480
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45	acttttggag	gtactaatat	tgatgctact	gcttggaag	acaaaaagtg	caaaggagag	720
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	aagaggctct	gccgaataag	cgactactct	tggtctgtgt	cgtgtctgat	gtgtgagtgt	1140
	gtgtctgtgt	ttgtgagaga	ttcgatactc	tttgaaacaa	agatttatgt	agaagaatat	1200
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<210> 30

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   <213> Arabidopsis thaliana

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    tctatccctt aaagtttcgg aaaattctgt tttctgttct tcattcttcg tgatcttttt 180
    cactttcttc aaaaaaaaaa catgtgtgga atacttgccg ttttaggatg ttccgatgat 240
    tctcaggcca agagagttcg tgttcttgag ctttctcgca gattgaggca cagaggacct 300
15  gactggagtg gcttatatca gaacggagat aattacttgg cccatcaacg tcttgccgtc 360
    atcgatcctg cttccggtga tcaacctctt ttcaacgagg acaagaccat tgttgtcacg 420
    gtgaacggag agatttataa ccatgaggag ctgagaaaac gtctgaagaa tcacaagttc 480
    cgtactggta gtgattgtga agtcattgct cacttgtagc aggagtatgg tgtggatttt 540
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20  atgggtggctc gtgatgcgat tgggtgtcact tcgctctaca ttggttgggg actagacgga 660
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    tttcctccag gtcattttta ttcaagcaaa ttaggagggt ttaagcaatg gtataatcct 780
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    gatgtgacga ctatcagagc gagcacaccg atgttcttga tgtcccggaa aatcaagtct 1200
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   <210> 31
   <211> 1245
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35  <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
   <222> (1)...(1245)
40  <223> n = A,T,C or G

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45  ctgtataaac gccaatttca ttaacaaaaa aaaaaaacia aaaaaaactg tccacatgaa 180
    cacaagtaag aaccaacaac agcttcttca aaatgcttat tgcaatctcc acttatacgt 240
    tatctaaacc atcactctgc aattcatctt tgttccttgc aggaaccaat ctttccgttc 300
    ctagtctctc ctctagagct cttgcccctc tttctctcct cctggatgct tcagcagaat 360
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    taattgaggg naaccacttt gcttttatct ttaacagcaa tatctcctgg tcaggтата 720
55  tctgctttat cctacaaga aggcctgcc aagacaccat aaaannagca aagggcatat 780
    ataggtaaac ttccagcctc gttatgtagt ataaggcaat ggctgtaacg aaaacacaga 840

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5  gatacgttaag gaagttcacc acaaagatga acttaaggaa ctccgtggaa cccagacag 900
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   gtaccagggc aagtcctttg cagagcttag tgaaattggg gaacatactc gttcccggag 1140
10 aactcatgtc tccagacttg agcaagagt taacaacaaa tctgagatcc tgacgataga 1200
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<210> 32

<211> 1245

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1) ... (1245)

<223> n = A,T,C or G

<400> 32

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   ctctctttct cctctcacac tcacgaagca aagactgaag caaaatacag ataaaacttg 180
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   gccaaatggg cagcaagggt ctctatcggt cccttaccag tgacgatggc ttgaacgaag 300
   aatccaaaca tagagaacat agccaatctt ccgttcttga gctccttcac cttcaactca 360
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   tttcccaagt aatcgagccc tccatcgctg aagatctgtg aaccggcctt gaaccaaacc 600
   gcctctccga acttgactcc gttcctagcc aaaagctcag ggaagacgca gcctagggct 660
35 ccgagcatag cccacctgct gtggataact tctagctcac gggtccttgc gaatgtctcg 720
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45

<210> 33

<211> 1244

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<222> (1) ... (1244)

<223> n = A,T,C or G

55

<400> 33

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   cgaatttggt tctcttctcg attcaacatc ccgaaaacaa gaatacaaaa agagaagata      180
   atcgcggaaa cagattacgt aatagaagct tgagttgttt tgtttctatt tcttttcgag      240
   aaagctccga acttcagcat ctgagggaa agctggaatg gtcctttttt tggtcgttgt      300
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   aacggatcga tcatcgacaa tctgggttag aagagcaccg acaaaggaat ctccagctcc      420
   ggttggtgcc acagcgttca catggaaagg gtcaacggct ctttgaaag tcttggtgta      480
   ataccgacag cccttttcac caagagtgc taacaacagc ttcaagttgg gatgccacaa      540
   ggtcaacgcg gtctcatcat caatcttggt gcttcagtt agaaactcaa gctcaacatc      600
15 gctcaccttg atgatctcag ctttgctcca aatgctcatg atctgtgttt tggcttcttc      660
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   accgcctgga gctttgagga atccaggagc ttcggcgaga gagacgcctg attcggtagg     1140
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25 catttagatc agagatctgt gaaatcgttg gatcaaatcg gaga                        1244

<210> 34
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<212> DNA
30 <213> Arabidopsis thaliana

<220>
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35 <223> n = A,T,C or G

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<211> 1230
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   ctttccttac taaaacatat gaaatgggtg atgattcttc ttctgactcg gtcgttgctt 180
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    <212> DNA
    <213> Arabidopsis thaliana

40 <220>
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    <223> n = A,T,C or G

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   acgtaccctc tggagttcca aggaccaggt cacggatgtg gtcacaagca gagctagcag 480
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	nnntgcagtt	aggagcggca	tgcttctcca	nnncagcagc	ctgagacttg	tagatggnaa	900
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	ctggaggaat	atccaacatg	tggaggataa	caggttggtc	agcaccaagc	atgatacccc	1140
	ttgcaatcat	aggtacaaga	gcataatcca	tttgtcctgc	agctccagta	acgagcacac	1200
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<210> 37

<211> 1226

<212> DNA

20 <213> *Arabidopsis thaliana*

<400> 37

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25	cacgtcactt	cctagctctc	tccgttctct	tcctcctccc	tctctgcttc	tccatcacag	180
	tttacccttc	cgtcttcctt	ctcatcaccg	atcaatcatc	cgttctctac	aacaccgtct	240
	ctctcctccg	cggcggactc	cacaacaaca	acgatgatga	catcgatacc	aaaacaacgg	300
	tcttacttgt	aatcggttac	atcgttggtt	tcaccgtctt	caatctctta	gctattggat	360
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	ctgttcatgg	tgagcttggt	tgggagatag	ccgaagagtt	tgctagagaa	tatgttagct	1020
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	tgttttaagg	tagtgttttg	aaaactggtc	ttcttgatg	ataatgcaag	tttgtaaccc	1200
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45 <210> 38

<211> 1220

<212> DNA

<213> *Arabidopsis thaliana*

50 <400> 38

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	aaaggcatgc	cttgtttctt	caaaagagca	aattatgcaa	aagtacatat	ttgagaaaca	180
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5 <213> Arabidopsis thaliana

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 <212> DNA
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 <223> n = A,T,C or G

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	caagcatgag	ccattttctt	gttatcaatt	tggggatgaa	tgaaacccta	gttcggttca	1140
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50 <213> Arabidopsis thaliana

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	atgtttccat	tgctgctatt	cttaactcca	acacggccaa	gtttgggtcat	ggctatcaca	240

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<212> DNA

25 <213> Arabidopsis thaliana

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30 <223> n = A,T,C or G

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55 <211> 1179

<212> DNA

5 <213> Arabidopsis thaliana

<400> 52

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<210> 53

30 <211> 1177

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

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<223> n = A,T,C or G

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5	gaaggaccac	nncttgagct	ctctcacctc	gaacgtcttc	acaggcggtg	ggtctaagta	1080
	gtccttgccg	gagagcgact	cttcctccgt	caactcatcc	ttcgtcatte	tttcagactt	1140
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10 <211> 1177

<212> DNA

<213> Arabidopsis thaliana

<400> 54

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<211> 1174

<212> DNA

<213> Arabidopsis thaliana

40

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45 <212> DNA
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15	tgcagatttc ctctcacttc ccatcatgat tctgtctttg gcaaactcaa gatcagacat	1140
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<210> 58

<211> 1167

20 <212> DNA

<213> Arabidopsis thaliana

<400> 58

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	tcgcccggag agactgcgtc ttctgtcttc gattccatct gcgctgatcg tgttcgact	360
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	gaacttaata ggggtgctgg ttggcgctat gcccgctctg cagggtgctg gtgggttagc	660
35	tggtcagtat cgggttgagg caaggagtg attatccgtt atttttctcg gaatcgggaa	720
	actgattgtg ggtctggtgt ttggaaactc ctttgtaagg attctgagtc agtttccgat	780
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	ttccgaagcc gtcctcgtg atgtctaaga tggacttgcc aaaatgactt gatggagaag	1080
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45 <210> 59

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50 <400> 59

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	aaaaaacagt tacggttcga taactcttca atcccaaaag taacaaaaaa gcatgtctat	180
	aaccattaaa ccattgagta aaggctatca actttactcc caaccagcag ctggtgcccc	240
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	agaagcagca gcaggtgcag cagagattgg tgccctgacct tctcctggcc atgcagcatc	360

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	cgctgagcta	gcagatccat	tagtcgccat	tttcttatct	ctcttcttct	tcttcgccgg	1140
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20 <210> 60
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25 <220>
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	ttcttgttcc	ttactttaat	gatgtatgtg	cagtgcaaaa	gccctaagga	ttccactgat	360
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	tagtgtgttg	atagacaact	ttcggagatg	tacaaagggt	aagcatttgc	cagaaagtat	1020
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	tagctcggga	tgaagaagat	gaagaacgag	atctggaagt	tgtgggcaac	atcttctcct	1140
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 55 <213> Arabidopsis thaliana

5 <220>
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35 <213> Arabidopsis thaliana

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 55 tataaacatg ttttgttacc cttttttgtg gggttggtta aaaagaagat catcatttgt 1080

5 atgtgccccg ctctatctgc attaagctta catttatctt tttggccata aatacaattt 1140
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<211> 1162

10 <212> DNA

<213> Arabidopsis thaliana

<220>

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15 <222> (1)...(1162)

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40 <210> 64

<211> 1161

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

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<223> n = A,T,C or G

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5  ctccggtggta gatcattgat gagaggagat gatcccattt gagatgtttc caggaaaacc 420
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20 <210> 65
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   <223> n = A,T,C or G

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55 <213> Arabidopsis thaliana

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25 cgtagcaagg ttcggacgc 1159

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<211> 1156
<212> DNA
30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

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<211> 1153

10 <212> DNA

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<220>

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<223> n = A,T,C or G

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   acgtcggatg ttgttttgtc taaagagagc gattgtgtct gattgagaag gaaggttggt 1080
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<210> 79

<211> 1135

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1135)

25 <223> n = A,T,C or G

<400> 79

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   aactgtccca actgtttccc ctctctcttg ctgatctgag agtagaagta attgagcaat 360
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35 tgtccgaaac catattaaca tacgcagata catttgatgc tctccttctg aaatgtccgt 480
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<210> 80

<211> 1132

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(1132)

<223> n = A,T,C or G

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<400> 80

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	ggaggaaagt	agtacatgaa	catcaaggat	ggagacttct	ctcttgatg	tggcttcacg	360
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	ttcctcggtg	tgacaacttt	gcacacattg	gaggcttttt	aaccggattc	tgcctcggtg	720
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<210> 81

<211> 1132

<212> DNA

30 <213> Arabidopsis thaliana

<400> 81

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35	gcaaaagccc	aaagtcgatt	cagtatcatc	atagctctgt	ttttacataa	gttacaata	180
	gaatctcaca	tgataatgat	tttaagatga	ggagaaggta	tcgatgatgg	tgggtgtggag	240
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	aaccgcgaat	cccaagaagg	cgaccatcgc	aagacgtgca	tgcttgatct	cagctaactg	360
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<210> 82

<211> 1129

55 <212> DNA

<213> Arabidopsis thaliana

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<220>
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 <222> (1)...(1129)
 <223> n = A,T,C or G

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cttgaaacca cattagagtt cactggaact gattctgcta agcaagctat ggatttcata      180
15 catgaaatcg gttgncntct tcacagaagt aaacnnnggg aatcagacc aaatccaggc      240
gttttcccat taatacgctt ccagtggcta atcgagttct caatggatcg agagtgggtgc      300
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20 agacccgatg ctgctgggtcc agccggctta acacctcttc atattgcagc tggtaaagac      540
ggttcagaag atgtgttgga tgcgctaaca gaagatcctg caatgggtggg gattgaagcg      600
tggaagacat gtcgagacag cacaggcttc acaccagaag actacgcacg cttacgcggt      660
cacttctcat acatccactt gattcaacgc aagatcaata aaaagtcaac aactgaagat      720
catgttgttg tcaacatccc agtttctttc tcagacagag agcagaaaaga accaaaaatca      780
25 ggtccgatgg cttcagcctt ggagatcaca cagattccat gcaagctctg tgaccataaa      840
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gcgattgctg cgggtttgct ctgtgtggca cttctgttta agagttgccg ggaagtgctc      960
tatgtgtttc aaccggttcag gtgggagtta ttggactatg gaacaagctg agtghtaagtc     1020
tactttgaaa gatcttctaa gatatatata tgaatgttac ttatataaaa cccatagagg     1080
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<210> 83
 <211> 1129
 <212> DNA

35 <213> Arabidopsis thaliana

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40 caaccttcag cagaacgcct tcatgtctcg tgaggagatg atgggatttg accgtaagga      180
tcttgttgtt tgtcctaagc ctgcacgtgt tggtttactc gccaacaacg ttattcgtcc      240
tcttagatta catatgagtc aagctgcagc cgacttggtg gattctaaag ctggtgctga      300
gcttttgtaa atcattcgta gaaaggagga taatggaaca atagggcagt tactatcatc      360
atccccaccg tattttcccg gtccaccacc gagtagagcg gcgaacccat tagcccaaga      420
45 tgctcgtttt cgagatgaga aactcaatcc aatctcacca aactctcctt tccttcagcc      480
atattcgcca accgggtttc catctccatc ttcttctcct tcatcgtcgt cttcccgtgg      540
ttgtgttaga atgaaatttg gactcaactc gcctgcagtt agagtagaag gatttgattg      600
cttgaaccgt gaccgtcaaa actcgagcat ccctgccatg gcttagtaga caaacaacaa      660
aaaaacaagt gtacatagag attccggaat cgctcggtcg ccaatgccta acagaggagg      720
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gatgcagtat ttaaaagaag agtcgaatct atgtattcgt ttggtgtttt tctgggtcgg      960
gcggatcttt agtactgttt catatataac taagagggaa gattagaaga tgaagaagct     1020
55 gtaaaatttt cttgggaaga aaactctggt ttctatcttc tcgttgtaat atagataatc     1080
aacttggaat tatcttcttt caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1129
  
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5

<210> 84
<211> 1128
<212> DNA
<213> Arabidopsis thaliana

10

<400> 84
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15 cctgaataacc taagaacagg gagagtgatt ccggagagtg tggctctacag cttcggaacg 240
ctgttgctag atcttctcag cggcaaacac ataccaccaa gccatgctgt tgatctgatt 300
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30 ctgtcttctt taagcattat cttaaatttg tggtttccaa tttgaaga 1128

<210> 85
<211> 1127
<212> DNA
35 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(1127)
40 <223> n = A,T,C or G

<400> 85
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45 ggatattgtg gtaccacaaa agcctactgt ggcactgggt gccagagtgg accttgcaac 180
tctaaaccta aacctactcc gactccaagc ggtagtggcg gtctaaatgc tggctcctcgt 240
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50 tctcacgaat ctggaagttt ttgttacaaa gaagaaatag ccagaggaag gtactgtctc 480
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gaccagata tgggtggctcg tagcccaact gtggctttcc agtgtgccat gtggttttgg 660
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	gttgatgtct	cttaaggtaa	ctatattgtg	tgttgtttgt	atccgctcgc	tagcataagt	1020
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<210> 86
 <211> 1125
 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
 <221> misc_feature
 <222> (1)...(1125)
 <223> n = A,T,C or G

20

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	aaacccaaaa	300
	gtaaaattga	360
	aggctactgc	420
	gtcttgtttc	480
30	gaactctacc	540
	ctcagatttg	600
	atcatcctgc	660
	ntcttccttg	720
	ttttgcttca	780
35	ggaaagagca	840
	gggaggtgac	900
	agccctttgt	960
	tctcccagaa	1020
	tggtccttgg	1080
40	tgctgccttc	1125

<210> 87
 <211> 1124
 <212> DNA
 <213> Arabidopsis thaliana

45

<220>
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 <222> (1)...(1124)
 <223> n = A,T,C or G

50

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	tttccaagaa	240

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	atggttggnn	tggtcgcgtc	ccaacacatc	aannnggagg	atttgagcac	atgctttgag	960
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20

<210> 88
 <211> 1124
 <212> DNA
 <213> Arabidopsis thaliana

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<220>
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 <222> (1)...(1124)
 <223> n = A,T,C or G

30

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	ccccacagct	ccgtgtcgcg
	ggtagtgtca	gatctccaag
	ggaggatata	gcctaaggac
40	ccttctgcat	caggttcttt
	tgccaatctt	ggtgttgact
	tcttgcccga	cgaaatagaa
	tttcctttctg	tttgccccaa
	gcttcaccag	cttctctggc
45	atttctctgn	nngctgcttt
	aaattggctc	aaagattctg
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	tgagctgtgc	tagttctgct
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<210> 89
 <211> 1123
 <212> DNA
 <213> Arabidopsis thaliana

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5  <400> 89
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   aaggaatatt tctaccacta aaaaatcaac caagaaaaaa attcaaagta tccctttttt      180
   gtaggggttc atttcaacct gaattgacca aggtgttgct gactgtaata tattctacaa      240
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25  <210> 90
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   <212> DNA
   <213> Arabidopsis thaliana

30  <220>
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35  <400> 90
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   ctcttcctgct taccgcgaat gtagctgatc ggaaagtggg ccaaccatcg atgaagctgc     960
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   tcttcttgat ctcaacattc tccaaatata aacctttttt aatgtatatg acgaaacgtg     1080
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10 <220>
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 gaaaagatat ctatggttag aactnnnnnn tggttctaaga gttgtagctc ctctgctgag 840
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35 <210> 92
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40 <220>
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<212> DNA
<213> Arabidopsis thaliana

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55 ttaacaccaa atatgttaca atacctctga taaaacctc tacgatcggc gactctccc 240
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10	nnntgcttga	aacagtagcc	ccatgaatat	ggtcctgntg	gtgctgtagc	ccatccacct	660
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	ctgctctcat	tcacataata	agcagccgct	cactttcccg	ggacgaagtt	ggtggcgaag	180
	gcccgaagcgt	tgttggtgac	tgggtcggcc	aaatggtcgg	cgaggttctc	caaagggtccc	240
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   <213> Arabidopsis thaliana

40 <220>
   <221> misc_feature
   <222> (1)...(1101)
   <223> n = A,T,C or G

45 <400> 101
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   cttcatagag atttttaaag cagaaagatt acaaaatctg aagatcagta gttcagtaga      180
   gataaacttt cactgattca cagattattg cataacaaaa aaaggaaaat gaaagattgt      240
50 aagaacttgt tcacttcttt gaagaaactg ttgatgaatc tggctctttc catgcagctt      300
   gccattgttt gtcataatac gtagtctcat cgaacagatc cttaagtttg tctaaatctt      360
   cattcttacg gatgaagaga actccagcta cagccacaaa caagagtgtt ttgcagaaga      420
   aattcccatc ttgatcaaca agtcctactc cggttaagact atcaacaaag taagccatga      480
   agaaccctat catcgagca cgaccattga gaagttcagc ttcaggtaga tggatatctc      540
55 tcatccatgc ccancatgga ataatcgaag tatcgaagac aacaagctcg tcgttactcg      600
   ttgtttccgg gttatcttca agccattttc tcctctttgc ctccagaaacg ataacagaat      660

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5 cccaatcagt tttgccatct ttctcgaact gtttcagatc ccaagttcca ttaacccact 720
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 cgccggttttc agaagcggag gagctttccg cgggagattt aaccggaact tcctctacag 840
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 ctctagggac ggagattaga gagaaacgtt tgggtggagag aagagagggt gagatcttgg 960
 10 ggatgagatt agggttttga agtgaggaag agatcggcgg agagaataac gccatggata 1020
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15 <211> 1100

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<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(1100)

<223> n = A,T,C or G

<400> 102

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 30 caatactcct gtgtcttttc agtttcttca acttcatagg ccgtcttgct tcaggtgcca 360
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 35 cgcttggtgc cannattttc tcnnnnnttc tcgcaggata catctatgac aaggaggctg 660
 ataagcaagg gaagatgacc tgcattggtc cagattgctt ccgagtaaca ttcttggttc 720
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45 <210> 103

<211> 1098

<212> DNA

<213> Arabidopsis thaliana

50 <220>

<221> misc_feature

<222> (1)...(1098)

<223> n = A,T,C or G

55 <400> 103

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	tcgccacttc	agcactcgct	caagccccctg	ctcctactcc	caccgccact	cctcctccccg	180
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	ctgccccage	cacgccacca	cctgctgcaa	ccccagctcc	tgccactact	ccaccgtcag	300
10	ttgtctcttc	tcctgctgat	gttcccaccg	cctctccacc	agcaccggaa	ggccccaccg	360
	tgagcccaag	cagtgtctcc	ggaccttcag	atgcatcccc	tgccccaagc	gccgcattct	420
	ccaacaagge	tttcttcgcc	ggaaccgcct	tcgcgcctat	tatgtacgcc	gccgttttgg	480
	cttgagaact	ttttttatat	aatttttttt	ttatccctca	aattatttca	aatcttttgg	540
	gttaatgtga	gaatttgatt	tatttttcgta	tttcgctatt	tgatcgtaa	ttttttttat	600
15	catgatttcg	tgtgtcggaa	tggggaaagt	aattattatc	ttgggtgaag	ctaattggaat	660
	gttgacacgt	gtaatttacc	attggaagg	cttcatatgg	ttgtgtagag	gagggtggaat	720
	taatctgttt	atgtaaatcc	aatgataata	aatcaatttc	aaaaaaaaaa	aaaaagggtg	780
	gccgcnnncc	atctagaact	agtctacaag	tagagtacat	gacatgtcct	tcctccggcg	840
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20	tctctgattc	tactactatc	cattgtagca	aatgatatat	atctagtaag	aaatacctga	960
	tggtatccct	ccttcgaatc	ccatccattc	ctcccactca	tcgatttcac	ccatttctgt	1020
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25 <210> 104
 <211> 1097
 <212> DNA
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30 <220>
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 <222> (1)...(1097)
 <223> n = A,T,C or G

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	tatgttgatt	gttcatgctt	tatagtagtg	tgtcctccac	gaggcctttg	tgagagacga	180
	gttattatta	tacgtagtcg	ctgtaattct	ctgcagctta	tgtgatctta	tcggtcgctg	240
40	ctcctgctcg	ttgacgttga	tcgatgtagc	ttttacaaca	tcgactttga	ctatgtgatg	300
	gtccgagggt	cctttggaag	acaacacgga	atagcaccct	ggcacgaacc	ggtacngaa	360
	tcggaggaag	caagtatgta	gtccacgcgt	gtcccgtact	tgcatgtccc	ctgcacactt	420
	tggcctttgn	cgacaacaac	cacagattcg	cattctccag	caaagtcnnn	agcgtcagtg	480
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45	tcgtaatact	tgacgatgtc	ggtccatctc	tcaggagaat	aatcggattc	gtcgagagaa	600
	ttgagagcac	cagcgagtat	gtgcggtacg	ttggtggatt	ggataatggc	atcgacttgc	660
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	ctcccgggaa	cctctatgct	cgcttcaac	acgttccctga	aatcagtggt	gtcgaagatt	780
	cttagaacat	tggagctttt	gatgggccac	ttagagagaa	tggcggttgc	gtactccggc	840
50	gcccagctct	cggcgaagac	gtaattcatc	cccagcgccg	cagcgagatc	ggagagcggt	900
	ctcatttggg	cagcctcgtc	cgcttgcacg	tcttgaagag	ccagcacgtc	tgcgtctagc	960
	tactcagca	cttccagagc	cgcttctggt	ctccggagac	cgatctcgcc	gggcctgagg	1020
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55 <210> 105

5 <211> 1097
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<400> 105
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 gagagtacat taagcaatca tatgacaaag ttcaaattgca atgcgacccc tccagccccc 180
 aaccaaaaaac agccatgact ctcggggaga cacacacaca cacacagagc atacgtcaca 240
 gcttaagcat cagcaaacc cagctcagaa agcttcattgt gggcctcagc gtaatcagcg 300
 15 aaaaaggcat cttcatcagc agcgtatttc tgcaccaaag gacggaaaac aggggtcgctcc 360
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 25 cagttcttct cagcgatcaa acctctgagc ttctctctgc acttctcaac agccttcttg 960
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30 <210> 106
 <211> 1096
 <212> DNA
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35 <220>
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 <223> n = A,T,C or G

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 ctcttaatta gtcaacgac atttcacata aacttttatc gagctactta cttatcatag 180
 tcttctcatc gcatgggaag aaaaatccaa gaaacttggg aaataaggaa ccaaaccgtg 240
 45 aagagactga ggagaagaag ctggtgatga tgttgtaaga aatagagatt gactagatga 300
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 50 cgnnnnnntg tccgtcttgt gacaattagg tacgagttgc tgtagcttac gcatcttatt 600
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5 tgctcttttct gacatcatgc cctgatcttt cacagcaagt gatccgacgt cgtttctcca 1020
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 10 <211> 1094
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 15 <221> misc_feature
 <222> (1)...(1094)
 <223> n = A,T,C or G

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 gggttcgcct cagaccatgc ttaagaactg cttggttacc ttgcctgaac ccatcccat 300
 25 atgccgatga agaatccgac tcgatttgat gcttgnnnaa ctcaccaagt ttcttctcaa 360
 aatcagacct ctcaccttct ttggacgatg ctgacaccac agcagatgat gaagaagatg 420
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 cttgacatat tccttcttcc acttctggtc taagatttgg ataccattt agtcgaagcc 540
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 30 aaatgagaat cgagtgact tcacaacgac gtatcagcct gcaaggctct gtgatcatgt 660
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 cttcagacaa acaaagtcct ctagtttcag gtaaatgatg atgtccgtgt ttctctcctt 780
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 35 tgtccataat ggctgagtcg agacattcaa gacacagttt tcgaccatca tcaagaatga 960
 gatattttgt atcttttggc tccattcgct cacaactgca acaccgagga gttccatcac 1020
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 40 <211> 1094
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 caagtaacat agacaatcat gatataggga acagagaaac tctacttttc actattattc 180
 accgcacatt cagttcttga aacatattgt ccagggtgcac acatatcata tcaactctgca 240
 55 tcgtctccac cagcaccagg tttggcagaa ccattcgtct tatgagcatc gtctcctcct 300
 tcttctgaga tgtcagaagt ccacaaggtc agattgtccc taaggagtgt cattattaag 360

5	gtgctatctt	tgtaggattc	ctcgttcaga	gtgtcaagct	ctgagatagc	ttcatcgaac	420
	gcctgcttag	caaggtgaca	tgccctttca	gggtgcgttca	tgatctcgta	gtagaagaca	480
	gagaaattca	aagccaaacc	caatctgata	gggtgtgttg	gagggagctn	nnnctcagca	540
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	cctgatttga	actcagcaag	atagcggtaa	tagtcanntt	tcacnngtt	gaagaagaca	660
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	atgcatatgt	tagaaagctc	taactcaann	ttctccatat	actctttgat	cctctttaca	780
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15	tcagcttgct	cagagagctt	agcgaggtag	acgaaagtgt	cacgctcttt	tccagaaccc	1020
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<210> 109

20 <211> 1093

<212> DNA

<213> Arabidopsis thaliana

<220>

25 <221> misc_feature

<222> (1) ... (1093)

<223> n = A,T,C or G

<400> 109

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	aatgatcttc	atcttcatga	cgggataaac	tcttagagaa	agattcaaag	tgattatctt	180
	tgtggatccc	tccattgcta	tgtggaattt	agcttcaaaa	tcgatcagag	aagggtttat	240
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35	tggaagaaaag	acaacaaaagg	aagaaaaatt	ggagtgtccc	atttgctggg	aatcattcaa	360
	cgttggtgag	aatgtacctt	atgtcttatg	gtgtgggtcat	acaatctgca	agtactgtct	420
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	cttcgttgct	tgcccttggt	gcaatattct	ctctnnnnnn	ctggtttgca	atggaaccat	540
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45	gtttgctttg	gctgtcccgt	cgtttctcgt	cctttatttt	gccttcccga	gcttaaactg	960
	gctgatcaga	gagattgcaa	cctgactcat	tgtactgttt	ctttcttctt	gtatgtttcc	1020
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50 <210> 110

<211> 1091

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

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 <223> n = A,T,C or G

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 atgctcgaac gaacgcgcga ttctcttcaa ccgcattgct ccagtttacg ataatttgaa 180
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 15 cttgattgta aaattgttgt tctgataact tggtaaatatt attatagggtg atgggcttgg 420
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 25 ctggattttt ataagaaaag agaaacgctt tgcgttagga tgatgcagat aatgtagagg 1020
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 30 <211> 1091
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 ttcaaggaga tggagataaa gtttgtaacc gggatcttaa agtgacaaaag cgtatgaagc 180
 aacctatcta tgtttattac caacttgaga atttctacca gaatcaccga aggtatgtaa 240
 aaagtcaag tgattcacag ttgagaagta caaaatacga gaatcaaata agtgcattgca 300
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 aagaagatct cattgtgtgg atgagaaccg cagcattgcc aacatttaga aaactttacg 600
 45 gaaagataga gtctgacctc gagatgggtg acaccatata cgtaaagctg aacaacaact 660
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 50 ctctaactctg cgtgtgtaaa tcttatccat ccatgtacac atacaatgta atttttgctt 960
 acatactatg taatccttgc ttgcaaaatg gtttcttcgg tgagagctta aatcccacat 1020
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 aaaaaaaaaa g 1091

55 <210> 112
 <211> 1090

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
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10 <222> (1)...(1090)
 <223> n = A,T,C or G

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 25 agtttacggc tgagcaaaaag gaaaggatgt tagcttttagc tgagaggatt ggatggagaa 720
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 30 cttgagaaat ttgagagaca aggtttttat tgtttaattt atgtacccat tttcctcttt 1020
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 35 <211> 1090
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 gacaccggag ctacggtcgc tccgatcggt aggtctgagg aggttgccgt cactaccggc 180
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 45 gggaagattc gtctcgttat gaggcaatct aaaactttga agatctgtgc taatcacttc 360
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<211> 1089

10 <212> DNA

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<400> 114

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 30 gcctcttttc gattcaactg cacggatgcn ncagcttgna tagtacaagt cgactcgcct 720
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 35 gaccatctcg ggagtggcat cctcaaacac agttctgcta cggtagctgg gagggccatt 1020
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<210> 115

40 <211> 1088

<212> DNA

<213> Arabidopsis thaliana

<400> 115

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 aaaggactca gaggtttttg aatggcaaga ccggatgaga aacctggaaa ggaagtggct 180
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 ggtcttcttc catccgggtt cagcctacac gcaatacacg tggcatctac ccaagaacta 480
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 55 cctcatccca aggtgatct acgcagaccc gagatcagaa ctggagacgc agaaagatgc 660
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5	cgagggccga accgagtatg actacttcgt ggaggagaac agctggaagt atgcgttgct	780
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	gcccggagaa gatggcagca gcgatggtaa tggaggcacg actatttcag cagatgcagc	900
	taagaattca tggaagagtg agcagagaga taagacacag tgaaaagaga cagaaaccac	960
	attttgttac ggttttgata tagttttcgg ttactattta tacggacaaa aaatgattta	1020
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<210> 116

<211> 1088

15 <212> DNA

<213> Arabidopsis thaliana

<400> 116

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	ttaaaaaaaa aacagagaga tttatccaca caaagacaaa ccaaattgaa aaaaaagaat	180
	gaaaaataag tttttttttt ttgttctctt cegtctcttc ctttcatttt tttgttacgt	240
	acaaagatgt tttcatacaa gagaagtaat cataccatct tgaaaacaaa tcaaggcttt	300
	ggtggttcag ccactggcgc tgtcgtcgtt gtctccggtt ccttaactgg agtttcaacc	360
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	acgaccgcgg tttcaggggt ctgcctcttc tttgtctctt caacaatctc ctctttctca	480
	ccacttgttc cttcgggttt ggtcgtttct tcagtttttg caggttcttc agctttcact	540
	tcctccaccg gtatttcttt agtcttcacc tcctccggga ggaaaacaga taccttctcg	600
	aatatgaacg tgaccgggtc tgcgacatag ccagctccga agctagacga agcctcactc	660
30	accgcttttg atccggggaa ttcaattttg actagctcct cgaggtactt ctgcacagcc	720
	gctgagtttt tcttcaaacc agccacctta ggtctctca ccaaagcctt gacttctgca	780
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35	taaccatctt ttttggtgtt taatctaaat taaacttctc aacgtgaaca aatttgaaac	1020
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<210> 117

40 <211> 1087

<212> DNA

<213> Arabidopsis thaliana

<400> 117

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	aatccacact caaacatgta cataaacgcg tttagaacat tgtggtttga aattattttc	180
	tcaatgtaac tcaaacatgt aacgaaagag aggggacaag acaagaggga gaagatgctg	240
	agcttgatgat ttgtgtatga ttcccggtt agatatgacc ggcccaattt tgggagctat	300
50	cgactctagg cattttggta cctctctctt tagtctcagc gtcaaccttg aaggttgac	360
	cacacacgtc acctgagctg tccactctcg gcaactggtt caactcgttc tttgggtgct	420
	caaagctcct caatccaccc gacgacgtaa agaaacaacc tttagggaaa ggaccataag	480
	atttggcgca acctttcttc accatctcgg tgttatcaga aaacacaagg tgcccttcag	540
	catcgggttc ccagaagaac ggcacactcc catcggcgtc agcagcagca aagacagttt	600
55	tcttgacgct atcgaagagt ataaacgcaa actttccatg gaaatctcta acaactttgt	660
	ccacagggtg aggacctcga tcacgtagtg tcctgtaagc ctcaatcaca atgatggcct	720

5	cgtttgtgat	tttgttcagt	ccatactgct	gcttcagaaa	cggtaggttc	tcaatgtgtc	780
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	acgagtgtgg	actctgtaaa	gcttcagggc	tattcgccac	cgtcttctca	aacacagcga	1020
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<210> 118

<211> 1085

15 <212> DNA

<213> Arabidopsis thaliana

<400> 118

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	ttactgaact	tgagatgggg	aaaggtgaga	gtgagcttga	gcttgggtcta	gggctgagtc	180
	ttggcgggtg	aacggcggcc	aagattggta	aatcaggtgg	tggtggcgcg	tggggagagc	240
	gtggaaggct	tttgacggct	aaggattttc	cttctgttgg	ttctaaacgt	gctgctgatt	300
	ctgcttctca	tgctgggttca	tctcctcctc	gttcaagtca	agttgttggg	tggcctccta	360
25	taggttcaca	caggatgaac	agtttggtta	ataaccaagc	tacaaagtca	gcaagagaag	420
	aagaagaagc	tggttaagaag	aaagtgaag	atgatgaacc	taaagatgtg	acaaagaaag	480
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	tgttctttcg	cactaatccg	ggtactgtcg	ggttaaccag	tcagttcact	aaaccgttga	660
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35	ttgtgtattt	tcttggttct	tataatgggt	tttactgggt	ttcttttagtt	tttttttttt	1020
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<210> 119

40 <211> 1084

<212> DNA

<213> Arabidopsis thaliana

<400> 119

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	tcaaccttcc	ctgattcaga	tgaactgccg	tactttgaaa	gtgatacata	tgttgcatat	180
	aacaatgaag	atggaggagt	aattgaaaaa	ctgaagaaag	atgggattgt	taatctggac	240
	tctcagctac	agtctctttc	ggattattta	cttttgaagg	ctcttattgt	gtcttggcta	300
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	tactattcag	atcttccttg	ggtgatcagc	aaggctcctgt	tttataagca	gacatacttg	420
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	tctcaggcga	actctctgag	actaagataa	aaacataacc	agtaatctct	acgctttttt	1020
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15 <212> DNA

<213> Arabidopsis thaliana

<400> 120

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	tcggcctcga	ttttccgacc	ttgtacttca	aagccaagat	tcctcaccgg	ttcttccggg	180
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	aaaa						1084

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40 <211> 1083

<212> DNA

<213> Arabidopsis thaliana

<400> 121

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<210> 122

<211> 1082

15 <212> DNA

<213> Arabidopsis thaliana

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 aatcaaacaa tcaaaggagg aggaaaatag atgtgtttgg gttcatcagg gaaatgtggt 840
 tgcaggatgt tgaagttaac aacaagcaaa agcttttcct gatctttttt ttttaattatt 900
 cttattacta ttattattgt tatttgaat tggatgatct cttgaggata tcaaatttgg 960
 40 attcggctgt ttattggatc tgaacgaaaa cgaaactgtg aagaaaatgt ttgtaaagat 1020
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<210> 123

45 <211> 1081

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(1081)

<223> n = A,T,C or G

<400> 123

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5	aagaagaatt	caaaactatg	agaagaaaan	nngaagaaga	aagttgattc	gaaatctgaa	180
	aagcgaaatg	ggtaaanng	aagctctcaa	tcttcaacct	ttgggcctct	gtataacgct	240
	ccaactacgt	tagtatgatc	ttctggatta	tcatcccttt	cttgagacca	tgcataacct	300
	tcctttctct	cttactgct	caaaacgtcg	tcgtcctctg	atgagagttt	gtctaaaggg	360
	aattctagga	aataagtgc	atgtctgcct	tctggattgc	agtaaggagg	tcctagcacg	420
10	tctagcaccg	cacatgctgt	tatagctgtg	aaccgatgca	tggtcccgcc	atcttccggg	480
	tacaaaatcg	aggcggtaca	tggcgcggtg	aatggtgaat	ccaccttcaa	tttcgctagc	540
	ctggtttttg	aatctctcat	tggagcatca	accaccaat	catatgactt	gatgtgcatt	600
	gtaccaaaaga	gaagcttact	aaaaactgtc	atccctggat	ggttatgaag	aggaataaca	660
	ccagaagggtg	gcaaacagaa	aatcccaatc	gagaattgat	cacactggtg	tagatgcaga	720
15	tacgttattg	gtggcggaaga	ccgagcttcg	actccggagt	ttggtcggaa	atacggcatg	780
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	attttatctt	cagaaggaat	aacaccagga	ccaccattag	agaacacttc	cttgcaagta	900
	ttaaacaacc	gccgcaccgc	cgtgatccca	tccgcggggg	aatcaatctt	cttccgctgc	960
	cacgtcatca	tcatcttctt	attcttgttt	ttgttcttct	tcttcacaga	attgggatta	1020
20	gacttgcatt	gattcttact	agaaatcaat	tccaaaacct	ctttctctgg	tttcatctca	1080
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<210> 124

<211> 1081

25 <212> DNA

<213> Arabidopsis thaliana

<400> 124

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	gcaagattat	acgtcgtttc	agtaccataa	aggagctctc	ctcaccggag	acgtttccat	180
	caacctaatc	tggtagcgta	agtttaaacc	gtcgcagcgt	gcaatcgtaa	ccgatttcgt	240
	tgttccctc	tcgtcttccc	ggagatcgac	catgggtcaa	aatccctcag	tcgccacgtg	300
	gtggaagacg	gtggagaagt	attaccaatt	ccgcaagatg	accacgacac	gtggactcag	360
35	tctctccctc	ggagaacaga	tcctcgacca	aggatactca	atgggaaaat	ctttaacaga	420
	gaaaaacctc	aaagacttgg	ccgcaaaagg	tggccaaagc	tacgcggtta	acgtcgtgtt	480
	gacctcagct	gacgtgacgg	tccaaggctt	ttgcatgaac	agatgcgggt	cacacgggac	540
	tggttccggg	tcaggcaaga	aaggatcaag	attcgtttac	atctgggttg	gaaactcaga	600
	aacacaatgt	ccaggacaat	gcgcgtggcc	attccacgcg	ccggtttacg	gaccgcaaag	660
40	cccaccacta	gtggcaccaa	acaacgacgt	tggtttagac	gggatggtga	tttaacttggc	720
	gagtctcatg	gctgcgacgg	caacgaacct	gttcggagat	ggatattacc	aagggcctaa	780
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	tggttatgct	ggagagttac	ttgtggatgc	aacgaccggg	gggagttata	acgttaaggg	900
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45	gactctgttt	tgaataccta	ttagtatacg	ttagatacga	tattctttta	tttatacttt	1020
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	a						1081

<210> 125

50 <211> 1081

<212> DNA

<213> Arabidopsis thaliana

<400> 125

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5	cgttgaaaat aaaggacttt attgatcgaa ataaaaaaga tagtggggttt cttttgaaat	180
	attattaata atgggtcgttg cgtgtaaatt tggaggcatg tttctgtata atctgccatg	240
	cttcagtgac atgcttctct tccgttaacg gtgcaccaac agcaaatcgt aaaacgaatt	300
	ttccagatag agccgtgtga gagatgaata tcttgccagt ggagttaaca gccgcaagca	360
	gttcacgggtt acgttcgtta cattgggtctt catcgccgtc aactggcgca aggcgaaagc	420
10	aaacgagtga aaagtaccga gtagtgacaa cctcaaaact tggatcttga gctacataat	480
	cttcaaaatg cttagcgaga ttgacatggg ctcttataaa gtttcttaag ttctcggaac	540
	catagagccg taaaaccatc cataacttca gtgatctgaa tctccgagag agagaaatct	600
	gccaatcttt ataattttacg accgtatctt ttttggaac cttgaattct agatactcgg	660
	gatttggttt gagagcatca atgagagagt atcgatcctt aacccaaaga ggtgaacaag	720
15	tttgattagc aaataacctt ttatgagcat tcatgttaaa ggagtctgcg ttttcaatcc	780
	cgtcaataaa ttttcgatat tctggacata tacatgcatt ccctgcataa gctgcatcca	840
	catgcaacca tatcccatat ttctttgcga tgttccccaa tgggaccaa ggatcaaccg	900
	ctgctgaaga cgttgtgcca acagtggcac aaatgaagaa agggataaaa cccttagcga	960
	gatcatgaga aatagcttcc tcaagtgatt ctggaggcat tccatagttt gtggaagaat	1020
20	cagttttgag cagcctaattg ttttcttcat gtatcccacc aatcagacaa gcttttcgga	1080
	a	1081

<210> 126

<211> 1079

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(1079)

<223> n = A,T,C or G

<400> 126

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	cataatcatt atctgtcaca caatgcaata gaaaaggtag aaaagcacia aaaacttcat	120
	aataataaca agtctcattt tattggaatg gtctgagaaa tcaatatgta gtagacaagg	180
	ttagcttttt tgctaagcat agagttgtct tgaggtctaa acaagtcttt caatatatag	240
	ctactcttcc acctaaagaa gctttctcat gttccagtga catggtagta ccattgtctg	300
	ccacattacg ctatgttctt gaactagttc tcagttccaa caacagacgc ttcattgttg	360
40	tttgaagatt ttacgttttt cgcagtgtac atatgcaccg gtggaggcaa aagctcttct	420
	tgaatagcca accaaccatt cttccctctc gcgcgcctc taatataata agcctctttg	480
	aaaccattct tgatcagcaa ttcagctact ttgcagcagt taccatcaaa attatcaaga	540
	acacaaacaa ctgtattctc agcatcagag aagcttctct taannntcgt caaaaaccct	600
	tcttcatcat tctcactaaa cnnaanctga acagaactct taccacaaaa cttaagattc	660
45	ggtgatgcta acaaagccaa agtcttgaca tctctaatat ccaaaagctg agaatcagat	720
	tcattcttaa gcttacgaaa cgcgttcatg gcggatattg gtttatactt cctcaagtaa	780
	aacatcacag ctggataaac aacaagatag gtaaaagtag atcccgtac gaaaaatgga	840
	tacttggtga agaaattatc aattgtgacc aaaattgact ctaaatcgat tttccagaa	900
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50	agttgggaaa tggttacaga gagattggtt ttggttagga gatgtattgg aggttggttt	1020
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<210> 127

<211> 1078

55 <212> DNA

<213> Arabidopsis thaliana

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<220>
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<222> (1)...(1078)
<223> n = A,T,C or G

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<400> 127
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agagaccttg tcgacgaaga aatttggtga agatgggaag agattcgagc atcttgcatt 180
15 tctgaatttg gctcagaatg taatctgctt ggtttggtct tatataatga ttaagctctg 240
gtccaacgga ggttctggtg gagcccatg gtggacgtat tggagtgtg gcattactaa 300
taccattggt cctgctatgg gcattgaagc tttaaagtat attagttacc cagctcaggt 360
ccttgcaaaa tcttccaaaa tgattccagt tatgctgatg ggctccttag tttatggcat 420
aagatacact ttgcctgagt atctttgcac ctttcttggt gccggaggag tatctatggt 480
20 tgcccttctt aagacaagct ctaaaacat cagcaagcta gcacatccca atgcaccct 540
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25 atgcggtgca gtaggcaaaa acttcatctt cttgacaata agcagattcg ggtctctagc 840
taacacgacc ataaccacaa ccaggaagtt tgtaagcatc gtggtatctt cagttttgag 900
cgggaaatccg ttatcttcca aacaatgggg atgtgtgtcg atggtgttcg gtggattgtc 960
ttaccaaatt tacctgaaat ggaggaagct gcagagaatg cagaagaaga aaaaggcctg 1020
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<210> 128
<211> 1078
<212> DNA
<213> Arabidopsis thaliana

35

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = A,T,C or G

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<400> 128
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aaaaaacaga gtacgtagaa agaaactagt ttaaaaaaac tattgcaact tcttcttcca 180
45 tctcagtttc aaggcttgag tgcgagagcc aatccaactt tagcactctt gtcaattgac 240
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agagcacttg caataccgcg actattgaca cgagccttca cagaggtcaa ggggtcaagc 360
gagtgtgtg ttccaacagt tatggtgctg tcttgcttag ataacttgtg gctcacttcg 420
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50 tgcgcccttg cgttcacagt aaggagggca attaagtcct cctnngtgaa gcttaaacca 540
gcattgatct tgggtgaaatt tccagacttg gtgtcaaatg aaacatcagt accaacagnn 600
aagacatttg agccaatcac accagagaag ttgacagttg ggttctgagt caatcccatg 660
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tcaggaacct tgaagctgaa gattgacctc agtccgggtg cagcctcatc aacggtagcg 780
55 gtgatcagaa aagtagaatc agtgcaaaact ttcaaatcag tagtaatgtt ctttcgcctc 840
gactgaaaag cgacatctcc caacaataag tcacctttct tagttccggt tgaggtgatg 900

5	gcaacaccgg	caggagagaa	agtggtgata	ctgaatttct	ggtcactgtt	gtgggtctttg	960
	tacagaagat	ctctggcctt	tttgccgatt	tcggtgtaga	gaccgggacc	tttcaccatt	1020
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<210> 129

10 <211> 1077

<212> DNA

<213> Arabidopsis thaliana

<400> 129

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	cagacccgag	caaggtttgc	cactctcaca	ctggtagaaa	tttcacaaca	agctctcaat	180
	ttgggtccaaa	ccagaaaaaa	ataaaaaatga	atgatgagt	acgagtaagg	caagaacaaa	240
	cagagaagaa	aattcgtgga	gccgtgttgc	ctggatgaat	aatgtaacct	gagtactttt	300
20	atcgactgat	attacatatc	ccagagtaaa	gaaaaagcac	aggcgagcgt	attcttgatt	360
	acacgaatga	agtcaagtgc	atcatgtttg	gcttgatctt	accggtatcc	accaccatag	420
	gattgttgag	ggttgtaacc	accttgaccc	atcatcggat	tgtagtattt	gccaggcatg	480
	tttgggctag	gtaccatccc	tgggttttgt	ggttgcatcg	gatagccttg	gccatatcct	540
	cccatgttca	tgttcatgtt	catgccgggt	cccattccca	taccatcgg	ttggttttgg	600
25	ttcattccgg	cccccatacc	catacccatg	ggttggttct	ggttcatacc	tccgtagcta	660
	ccaacaccca	ttcctccgcc	catgggcatg	ccagagcctg	tcattggatt	agggtggagg	720
	ctcatagcag	ttgcaccaga	acgccctaag	ccagtgcctg	atcccattgg	tttaccata	780
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30	aagttaacaa	gccccctgct	caacgtgtct	gccagactg	atgattttgg	ctcaaacttt	960
	ttctgaggcg	gaggaacaat	ctcaattgct	cctgttaaag	gtgtgagatc	tggatgagat	1020
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<210> 130

35 <211> 1077

<212> DNA

<213> Arabidopsis thaliana

<400> 130

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	tgattgtcag	cagggtgtgg	caggaccttt	atctggtgac	cgtatggtag	ttgctctctg	180
	gaaccgttgc	tctgagccag	caactattac	agcatcatgg	gatatgatcg	gtcttgaatc	240
	taccattagc	gtttcagtaa	gagattttgtg	gcagcacaaa	gatgtaacag	agaatacttc	300
45	tggctccttt	gaagctcaag	ttgacgcaca	cgactgtcat	atgtacgttc	tactccccca	360
	gacagtatca	cactctgatg	tatagttcct	tattgtgagg	cattcaaactc	ccaaagaaca	420
	gagattgcct	ttgtgtttct	gtatactcgt	gtatcttgta	aaacgtgaaa	cctgttggtta	480
	cccaatgcac	gaatcgatat	acaaatatga	aaaaaacaaa	ttcaaaacaa	gaaaacttgc	540
	aagttacaac	aaatagaacc	attaataata	cagtactcac	actcacaacg	acaacgtacg	600
50	ttctcgttta	ttattcgatc	cacatatata	cgccaaagta	aataactaaca	aaacgacatc	660
	gtcccattat	ccgcagcaat	taagagcttt	gtttcttctt	atgggcactt	gcggcgcca	720
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	ctcgaaagcc	tgcaccgtgc	tacacacgca	ctcccacaat	cgatcttctt	tgcgtaacca	900
55	tttttcttct	gtgagttttc	gacatcagcc	tggacgagtt	ggagaacaag	aagagatatg	960

5 agaagagaag cgataagagc ttttgaaata gccatgattc tccaaggaga gtttatgatg 1020
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<210> 131

<211> 1072

10 <212> DNA

<213> Arabidopsis thaliana

<400> 131

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 aagcaaaaaga gaccaaccac acttactact gtcaggggcca aaatcaaaac ccttacctgg 180
 aaaagatata tatccatttt agttatcaaa tctaaaattg agtctctcta catcctaccc 240
 tcgcacaaaa accaccaccc ttgattccta catgcatagc catgtctctc tcctaattgt 300
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 20 gagcattatc aatgtgtctc aaccaagat actgctccca cgcaccgat acatctcttc 420
 tctgaaagcg attataaaca acatctgtgt ccagcaagta atcaggacgt ccattgaaa 480
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 aattttgaa ttgctgattt tgtccggcct ctttagtaaa atgatatacg tgaattaacc 660
 25 tatcattggg accaatattc ttctcttctt caggtatctc ctctgctcgt aaagtccagt 720
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 cttcttcctt cgtggcatga tggaaagcaa cttttaaggt ttttaagacct tgtaattctg 960
 30 gaagagggat gtccagaact tcataatata aaatgtcaga cgtctgattg tagtgaacta 1020
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<210> 132

<211> 1072

35 <212> DNA

<213> Arabidopsis thaliana

<400> 132

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 acaatggaga tattacttaa cacaaatata taaaagggtc catttttagtg gttgggtgaaa 180
 atgcgattga aagggtataag aagatggaaa gtaatccact gtggacaaac tcagagtagg 240
 gaggagtcaa atcaactgat ccgacggcag atagtgatc catcaccaac agggagcata 300
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 45 tagtaacgaa cgtacttcct cattggtgca tcaggaggag ccacgacaga accattccac 420
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 ttctcgtcag caacgatttc atcaagaacg ggaagagcag ggccttcctt gaagtcgac 600
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 50 acatccatag ccagaatttt gccgtcttca gggagagcaa gagcgggtggc gagaagagag 720
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5

<210> 133
<211> 1071
<212> DNA
<213> Arabidopsis thaliana

10

<400> 133
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25 gaagaattgg ggggtgacct tgtaagaaca cttcaccact ttatcaaata tcacatctac 840
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atctggtctc aattgagaac tttgaggtct gtgtatgtaa aatttctaaa tgcgactttc 960
gcgtactgta atgttcggtt gtgggattct gagaagtaac atttgtattg gtatggtatc 1020
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30

<210> 134
<211> 1070
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<222> (1)...(1070)
<223> n = A,T,C or G

40

<400> 134
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aataccgtac gatctctaga ggaggaactt cgattcttga caaccttaac gctttgctcg 180
45 gtcccaagac gcaagattac atctctttct atggtttgag atcgtacgga cggctgtttg 240
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tgaagtggat ggctgggaag ttctcttaca gtcttagatg ttcttgtgg tcagagcatc 480
50 tcggccttca cgccggagag atgcaaaaga tcgaagatcc aatcaaagat gcaacataca 540
aagacttgtg gatggcaaca gctaagaaga acaccgatat ctacgaccan ntcttctcgt 600
gcatcccgaa tgaacatata cgctcaagag ctgcattgag acacaatatg gctctttgta 660
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gcggcagcga ctcgtgggag attctgaagg agacaagagg gaaccttgtg tgcttcccat 780
55 tacagttcat gtgtgatcaa gaagatctca gaccaggttt caacgaatct gagttctaca 840
ctgctcctca agtcttccac taaccactat ttattgtacg ccagttctc tttaatcagt 900

5	taatagagta cctaagctca cacgttactt atgtatagag atgttagtta tatagaaaga	960
	agaaattcat ttgattgctt cctaggttcg cagaggtatg tgtgtgtata gtatacactt	1020
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<210> 135

10 <211> 1070

<212> DNA

<213> Arabidopsis thaliana

<400> 135

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	ttggttatat aaaccagaaa tgaaaagagg gagagagaaa aaaaagactc aagaatcaga	180
	atgaaactct gatcttattg ttttgttagt aaataagatt taatcaggcg acatagtaga	240
	tggagttagg gagcttgaag gttctcttgg gaactggaca accagagaag ctgttccatt	300
20	gtgcacccat cactcccaa actctgtacc caagacttgt aagccatgtc ctcaaactctg	360
	ctttgtattg gctcacactc ttcttttcat catcttctcc cctcagaagg aggttagacc	420
	agctgtggta accggcttca ataagatttt cgacggtggc agatctgaga tactctttac	480
	gagaagagat caaaaagatc ttgaaacctc tctctctgat ctcagtgtac aacttcacca	540
	tgtgtggaac cgctggtgcc ttgcccgaat tttgccattc ctcgaaacttg gtcgtgttca	600
25	gttgctcacc accgaaacaa ccgttgctct tgtggtaagg aatggttgag agaagagtgt	660
	catcaatgtc aaagatccaa gcatccatgc catcgcatgt cttcttctcg caacaagttt	720
	ttccgaggta gaggatggct tcatcgacgg ctctctccac gtcattctcg tattgagatg	780
	aggtcatgta cttttggacg aaccatacac attcctgtgg aaccacctta aagtcacctta	840
	tgttgtttaag ctccacgttg actctccagc tctcacagta tccgtttagg ttgggagctt	900
30	tcaaagatgt gacgccggtt tggctagtct tctggttggt tgtggttcct ttgagctggc	960
	tcaggatgtt ccagtcacga gctgagacaa ttccggcgaa gaggaatgtg agggtagcg	1020
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<210> 136

35 <211> 1069

<212> DNA

<213> Arabidopsis thaliana

<220>

40 <221> misc_feature

<222> (1)...(1069)

<223> n = A,T,C or G

<400> 136

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	ttaaaccatc tcattcgacc ttaatttgac acccttacat gtaactccta ttaggaggaa	120
	gcagatgatt caaatgaaaa ctacacgact catgactaat ggaaacacgt ttctctgaaa	180
	cgtgaatcat cttagataga tttaaagcaa aagaaagaga tgcaaagtcc cgactgaaag	240
	ttccagtgaag agtgatcagt cacgttccact aatggccgtc aagtgtctgt cgatctcctc	300
50	tgttctcagg gaacggaaga gagggatcat agctctcaca actccacact caatttcagt	360
	tgctttgaag tcttcttgaa gaacagattg gagagcggat atagcagttt gtactgtttc	420
	atcatatgtg aaggcagggg tttctttcat tttcttctcc aagaaattga ctgcttcttg	480
	ttctttcata ccagcactag ttgccttggt accgtaaaaa tgtccagctg ggtcacactt	540
	gtaaagtaga ggtcctctct cttcatcaat acctagaacc atggcaacta ctccaagggg	600
55	tctcatgtaa gcatgttgtg tgtaannnng agacttatct gcaatccatt tagcaagaat	660
	atnnnnaggc atctcatnnn catattgggn nctaaactca gcagcctcat tctagcttg	720

5 ttgtaccaat gaccttgaat cagctgtcat gccagtggct aacaatccaa ggtacttggg 780
 aacagggaaa aggtgagata cactagactg atccaaaagc ttgtccggaa ctttcttctg 840
 cgtaacgacg catactgaat ctttccctcg gacaccgatc gatgtgattc cagctgcttt 900
 cacggctttg aaagcatact cgacttggaa gagacgacct tccggtgaga aaatagtgat 960
 gtgacgatcg taaccagcgc cgcttcctct gctcatcttc ttcttctcag agaagagaaac 1020
 10 aactctcttc cgaaatcgga gatggaattt ttgcttctgt gtgatctgt 1069

<210> 137

<211> 1068

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1068)

20 <223> n = A,T,C or G

<400> 137

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 atcgcaattt tctctaagga cacaaaaact gaacagctct tccaacagaa tgataagtaa 120
 25 aacagaattt agataaaggg ttcaaagctg ttccggttag tcatcattca ccgatgaact 180
 tgcgcttttt agaggtgttc atgtacgggc ttataaccca ttcgatctct gcttcatttt 240
 gttccacagt tcctaatttc acctggtaga gccgcaactc aaatcgagga ccgatttctt 300
 taagctcgat tgattttgga cctccctctc ctttatcata gacatgattc ctgaatgata 360
 tataatcgga ttgattagaa aaagtaacta tacgttttgc atccagtttt ggagcagggg 420
 30 agatatgttt taagatgttt ccaactcttt gacctatctg agtagtaaag ttgttaaaaa 480
 tgagatgagg atattgtctc ggcatttttc caatggattt cttgtctgaa atatcatgtc 540
 ttgttaccac attaaagtaat ccaaagtatg cagttgggtc aaatgggaga tgagagataa 600
 tgagaccatc aggcacacca cggtgctcat gaaccaatat aacatcagta aaatcatggg 660
 aacgagcagt ttcaatgatc tcagaaatga cctgactacc acgattttatt ctctgagagt 720
 35 taggaaacac aaacttcaat tccttagtga atcggatgag cggagcactt ggatttcctag 780
 aagttgtcaa caaatctttt ggatctgctt ccgtagcatt ngcatattca tcatcgatat 840
 gactccgcgg annagctgtg ttttggctct caagatcaat ttcttgtcga agcttggtct 900
 cgacgttttc gagctcagta ggaatcggct ttcttctctg aagggcttct cttatcagcn 960
 gcttctgtct atagacctta cgctcatcac cttccaagct tttcctgtag atatactctt 1020
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<210> 138

<211> 1068

<212> DNA

45 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1068)

50 <223> n = A,T,C or G

<400> 138

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 55 ctaaagatgt tgtctgcaaa tgtttgtgtt tcaaagaaga gcagatttaa gagacttggg 180
 tagtttctca agctccttaa gtccttcagt tggcgacttt gcatcaccca atagctttac 240

5	cattgcactg cctacgatca ctccatcagc tccccatcca gctatctgtt tcacatgctc	300
	cggctttgat attccaaaac cgactgccac cggcttgtct gtcgcctctt tgatatcctt	360
	caagagcgac tgaacctttc cgcttacaga tgatcgtgca ccagtcactc caattgagct	420
	cacaaggtaa ataaatcctt ctgacgcac aacaattagc ttcattcgct ctgttggtgt	480
	ggttggtgta gtgagtagga ccagctcaat gtcgttgng agggcttcnn nncnnagcat	540
10	ctcagtttcc ncnngaggaa catcggaac cacaagtccc tgtacaccaa cagctctgat	600
	gctggacatg aacttcccca acccacgttt aagaatcggg ttgtaatacg tgaacaacga	660
	aatcggacaa gatatttgtg gaacaacctt atccaacatc tcaaggatgc tatcgagggt	720
	tgttccctc tccaacgacc ttgttgccgc agcctgaata acaggtccat cagctaaagg	780
	gtcagagtaa ggaacaccca attcgattat gtcagaacca caagcatcaa gaactttcaa	840
15	tgcttcagca gtagtagaga gatccggatc accagctgtg atatatggta tgaatgctac	900
	tttgccctgt tttttgagct gtgtgaaagt atcagcgaga ccgagagtag gagaagagg	960
	ggagagagaa gccatgggag tgaatctctt gaaagaaagc gatgaatcag gaggagaaga	1020
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20 <210> 139
 <211> 1068
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(1068)
 <223> n = A,T,C or G

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	tccntaaacc tcaacgccgg cgaagatgac ggcgacgaag acgacaataa taacaattct	180
	gaagataaca aagctttttg gcaggaacac gaacaacttc ttcaggggac actgtatagg	240
35	acaagttcca ttgagacaaa gattagacaa gctacaaaag aagcgttgaa acaagttaaa	300
	tctaagggtc tttatttgtt ttgccggcga ccagtggacg gcggttgccg gaggttgctta	360
	cgtggcgaaa tctctagaca cctaagagat gtcgccggct acgattgcgt catctctaaa	420
	tctaaatgga gaagttgtca agacatccct gcaggggaac acgaatttat agagattgtg	480
	gaccgatcgg gttcaaagaa aagcgagatg cgagtgggtga ttgagttatc atttagggca	540
40	gagtttgaga ttgcaaaagg cagtgaagag tacaaaagac taatcagtcg attgcctgag	600
	gtttacgtcg ggaaaaccga gaggcttcga tctctgataa agatattgtg catcgcgga	660
	aagaaatgct tgagagacaa gaaaatgcat atggctcctt ggagaaaaca caagtacatg	720
	caagccaagt ggcttggcac atgtgatcga tctagctcct tggaagcttc ggtttccgag	780
	gccatggagc cagaaaattg ggtgccgggt gcgaagccta gggtttctat gttgaacct	840
45	gatggtctct taggtggttt ctctgccggc ccggccactg tagcggctcg gtgatatttt	900
	tgtactatgt ttttttgatg acttgnantt attaatgtat tagggtgagt catgagtgtt	960
	aattatggtt tctgatttga acttagcaag aaatggtctc agcggctgtg attcgagcct	1020
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50 <210> 140
 <211> 1067
 <212> DNA
 <213> Arabidopsis thaliana

55 <220>
 <221> misc_feature

5 <222> (1)...(1067)
 <223> n = A,T,C or G

<400> 140
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 aaaggatata ctagtgtgta tatagtgtga catcttaatt atttttaata ctctctcatc 180
 gattatatga aaacccttca acgtctatct tcttttgatc acctgacggt gttacagttg 240
 gttctggcac tgatggggta agagatccta acacggcaag caccagggag acgagcagca 300
 cgaccagcgt taagtgcaga acccaaggct ctgcgtgctc cctggatata acgacaagct 360
 15 tgttggcggt caggggtggt acgagccaag ctggtgagcc tctgaacgcc agagcaaacac 420
 cctctaggaa tgaaaccgcc tcgggtcaag tagttatagc attgacctaa gctgnnggtg 480
 actgcgcgcg acgagatngc tgnntcggac gccattggan ncaagatcgg agacgcactc 540
 cacattggag gaggcaacaa ggaagggtgag cacaagaagg aagaggaaca caagaaacac 600
 gttgacgagc acaagagtgg tgagcacaaa gaaggatttg ttgacaagat caaagacaag 660
 20 atccacggtg gtgaaggtaa aagccacgac ggagaaggca aaagccacga cggtgagaag 720
 aaaaaannnna agnacaagaa ggagaagaaa catcatgatg atggtcacca cagcagcagc 780
 nnnagacagc acagcgatta aggtgaggaa gtgaggagga tcgcttgaat aaaacagatc 840
 tggttctggc tattattaat taatgttgct gtatgttctt atcatcttag agagaggtta 900
 aagacaggag aaccgtgcat ctatctttgt ttgttatgtt tctgttttct tgtcatgaaa 960
 25 attatgctca tgtatcttat ctaaatacaa aataataatt tgatgaatca taacttgtaa 1020
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<210> 141
 <211> 1066
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 141
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 cagaggaatt taagaattgc atcaaacaag cagagaaata tgaggtaata tgtgttcatc 180
 agactctgga cttcttgcat tctggaggga atccacgagg gaaccttttg agatcagagc 240
 aataattata gatcatgaag tatttctgaa cccatctgag tctcctcctg ccataagcat 300
 tgagctcggg tgccacttgc aattttaccat caccaaaaga actcttgaat ttagggtcac 360
 40 atcctgaaga ggctgtgcaa gccgcagcgt tgaatcctct gtagtaagct gtgaaaggag 420
 ccttggaacca gtcagtcttg actagaccac ctctcgtggc ccaatcgtct gcattccaca 480
 ggctagagta gatcctcatg ggttgactct ttgggaaaagg aacgccgagc ttctctgcat 540
 tgttgaacac tctaattgggt aaattgtcca ccaagaatat gatgtgttg ggtctccaga 600
 caatggagta agtgtggaag ttcttggttg ggtcgaacca gagataaaac tgttgctctc 660
 45 tgtctccttt cccttgagca aagacattgg tgtgaagaac ataaggcttc cctgtctcgt 720
 tacctagaaa ctcaaagtct atctcgtcat gtgttgctcc ttgtgaagac aagtagtaag 780
 cagtgcgggt gccggccgag tttccggcga caagtttgag ctgcataatc atccgaccga 840
 acaaatactc ttttttggat ttgaaacctg acccggaac ctgggtccagc gacaaagaca 900
 gcataatttc tccgttgaag attttgctc tgtggtcacc ccaagtgaag tcaaactcgt 960
 50 cgaagaagtt gcttgcgtag gccgaaccga acaatgtcac aagaagaaca gtcgccacga 1020
 tgggtggtgag gctcgaactt ggaccattt ggggtggttg gcggcc 1066

<210> 142
 <211> 1065
 55 <212> DNA
 <213> Arabidopsis thaliana

5
 <400> 142
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 tcggcccatt aacaaattaa agcattttctt ttttaattta caagagagac aacattgctt 180
 10 tcttattgtg agaaccctt atccccata caaacaaaac aatcaaatac aaatgttact 240
 cttttcttcaa ttaatcgctt gtagagatgt tgttgcttca tattcaattg acttggtgaa 300
 ctgagatata ttaagatcaa gctcattcca ctctgaagat gggtcacttc cagctactat 360
 ccctgtcccc gcatagatca atgcccacaa acccttttcg actagagctg atctgatccc 420
 gactgcaaat tcaactctct cgccacaaa aaatccaata ggtcccgcat acattcctct 480
 15 atcgaatgat tctatctcct taatcaaaag ccttgcttct tctgctggaa gccacaaaac 540
 agctggagtt ggatgcagag cagccaatat tttatactca tcatcttctt tcgtaagtct 600
 ccctgccaat tgagaatata gatgttgac tcttgcaagc ttcttcacag tttttttgag 660
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 20 gagcactaga agcagctcta ggcctagtgt cagccaaagc ttcactgcag acacctaatt 840
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 gaagacagaa ctgatatgca tcatgccctt cacgctgtaa ctgtgctagc caagcaatgg 960
 gatcaatgtc ggtatccgta attatcctgc tgttacgagc aagaacaacc ttgttaaggg 1020
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 25
 <210> 143
 <211> 1062
 <212> DNA
 <213> Arabidopsis thaliana
 30
 <220>
 <221> misc_feature
 <222> (1)...(1062)
 <223> n = A,T,C or G
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 <400> 143
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 aggacaaggc cagaaaccag aggacttgat gtcttgtttt tacttagctt ctggacttga 180
 40 aggggatggc tctgatgaca accacatggt aaagagcagc aagtgcagct ccaatgaagg 240
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 ctccaaggct tctagctggg ttgatgcctg tgccagtgat tgggatgggt gccaatgaa 360
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 catttctctt ggcgctcannt gctgagnnna ctgtgtatac aagaacgaat gtgccaatga 480
 45 tctcagctcc aagaccactt ccttggtgt aancatgagc cacagtgtta gctcctctc 540
 cttaggcctg gtattgctta ggctggaacc ctttaaccac tccagcacca cagatagctc 600
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 aagtagcgat gaactcagcg atcccagctc tccaaaaaga ccatgaagaa agctcaccag 900
 gttcgaaaaa cggagctggt ggtggttctt tgtagtctt gtcactctga gctgatgttc 960
 cgattgggtt tctctccggg aacttgtag ctccaactct aacgtcttct tcttgcctt 1020
 ccatactctc gatctctgta gagagaaatt gcggacgcgt gg 1065
 55
 <210> 144

5 <211> 1062
 <212> DNA
 <213> Arabidopsis thaliana

<400> 144

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	ttgtggttcc	aatgtggcca	gaaggtctcc	cagagagtgg	atcagtgcaa	gctatatattg	180
	actggcagag	gaggaccatg	gagatgatgt	acaaggatgt	gattcagggt	ctcagggccc	240
	agggctcttga	ggaagatcca	agaaactatc	tgacattctt	ctgtcttggg	aaccgtgagg	300
15	tcaagaaaga	tgagagatat	gagcctgctg	agaaaccaga	ccccgacact	gattacatga	360
	gggcgcaaga	agcacgccgt	ttcatgattt	acgtccacac	caaaatgatg	atcgttgacg	420
	atgaatacat	tatcattggg	tctgctaaca	tcaaccagag	gtcaatggac	ggtgcaagag	480
	actctgagat	agcaatggga	ggttatcaac	cacatcactt	gtcccataga	caaccagctc	540
	gtggccagat	ccatgggttt	cgtatgtcac	tctggtacga	acacctggga	atgctcgatg	600
20	aaaccttcct	cgatccatca	agcttggaat	gcattgagaa	agttaaccgc	atctctgaca	660
	agtattggga	cttttactca	agtgaagcac	tcgaacatga	ccttcctggt	cacttgctcc	720
	gctaccgat	cgggtgtagc	agcgaaggcg	acatcactga	gcttccagga	tttgaattct	780
	tcccgacac	aaaggcccgt	atcctcggca	ccaaatcaga	ctacctgcct	ccaatcctta	840
	caacctaatc	tcactaagca	tgtcaagtaa	tgatctctct	ctccctctct	gctttgctgc	900
25	tgtttagct	ttgaataaaa	cttgagtgtc	tacctttaga	attaagaagt	caaaggttg	960
	ttatgatgat	gcacttcttt	acccctttgg	tttttatatt	cgtacaatga	cgtggtgaga	1020
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<210> 145
 30 <211> 1062
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)...(1062)
 <223> n = A,T,C or G

<400> 145

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5 gaatgagtta aacgaactgc gaaggaaagc taacgacttt tagatatcgg ctgtttccga 1020
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<211> 1062

10 <212> DNA

<213> Arabidopsis thaliana

<400> 146

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<211> 1059

35 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 147

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<210> 148
 <211> 1059
 <212> DNA
 <213> Arabidopsis thaliana

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	ctttatagca	tggtgaccca ccacaatttt ccattttgca cttgattctc ttagaccat 480
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	ggggtttgga	gcatgttgga ccgttgcgag ctccagctca agttttggag ccaaagataa 1020
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<210> 149
 <211> 1058
 <212> DNA
 <213> Arabidopsis thaliana

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	ccagttccag	taatggggat agtagccaaa tgcaccatga acacagcaaa tccaattgga 480
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	gctctgtaga aagaccagga tttgagctca cccatgtcga gaagaggagc tgggtggagga	1020
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 <212> DNA
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	agctgcagca attggagaat ctacaagatc tacgcataac tgtatccgcg gagttagtta	180
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	agccattcga tttatcattc ctggcgagta tggagaatct taatgggcta tcgctggata	300
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	aatgtgttgt gttgttcaatc tggattatgt ttttcatttt ccttttgtat tccctaaaac	1020
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	aatgctggaa caaaaaaagt gtcgtttaaa accctaaatt tcctcaagac tgaactttta	180
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	atgggttagat tctgaaccaa caacttatga tcataaggaa gatgaacgct ggccctaatt	720

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	gcaacttgaa	gcagaggaga	tgcaaggaga	aggagagcga	ggaacaaaac	cctaagattc	1020
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<210> 152

<211> 1055

<212> DNA

15 <213> Arabidopsis thaliana

<400> 152

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<211> 1055

<212> DNA

40 <213> Arabidopsis thaliana

<400> 153

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	tctatgccgc tcatgctcac gctcgcgat cgtacggtt tgtccatggc taatagctag	1020
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 <211> 1054
 <212> DNA
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 <211> 1054
 <212> DNA
 <213> Arabidopsis thaliana

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<210> 156

<211> 1054

15 <212> DNA

<213> Arabidopsis thaliana

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<211> 1053

40 <212> DNA

<213> Arabidopsis thaliana

<400> 157

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	acaccaaccc	cagaggcgcc	atgtccgcca	ccaccaccaa	caccatatcc	tcctccgcct	540
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	ggtcggtaat	aatatgatgt tcttctggta gatcataagg caaattgatt ccatggactt 180	
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	tgatttcccg	acgtgaagac tgcatacaac gaggtttgca agagtttctg ggtctttagc 360	
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	ctgcgaaaaga	ttagggatct cgctgttggt gatcgagct tgataagcac ccaagtagaa 1020	
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	ttgaggagca	gcataagaaa gccttagagg aggatccttc tgctttttca tatgatgaag 180
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	tagtttatga	gagaaagctt gcgaaagaga gggagaaaaga cgaacatctt ttttcggata 360
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 ccacaagtgc taacaccgaa gttgtcattg ctgtgatgaa aattctcctc aatatttcgt 240
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 25 ttgtgtcata cttcaaaaaa catttagaaa gatagaactg agcaaaacga gcattgggtac 360
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 ggataattag ttgctctacc ttattggata acgtttggtg gaaagaacta aaaagagaag 600
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 agaaggaaac attggagtat cgaaccatac actcctcgta gaattattaga gcagtttttc 720
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 <212> DNA
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<220>
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 aagaagagaa ctgtttcatc tcactctact tacgaagaga tgattaagga tgcgcttgtt 300
 55 acgttgaaag agagaactgg atctagccaa tacgcgattc agaagttcat cgaggagaag 360
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	tgaagttagg	gtttgtagg	agaagaatgg	ttaacgatag	tttagacttg	tataattcaa	960
	tcatctttat	gcgactttgt	ttgcttttct	tctttcagtg	ttcttggtat	tcacagttcc	1020
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<210> 162

<211> 1050

<212> DNA

20 <213> Arabidopsis thaliana

<400> 162

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	atcgctgggtg	ataaacctgt	cggtgaggtt	agcgttccgg	tgaaggagct	tttggtcag	300
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	tggtatcaag	ttttaatttc	ttaggataat	tgctctaagt	tttttcgttt	gatgaatcat	1020
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<210> 163

<211> 1049

<212> DNA

45 <213> Arabidopsis thaliana

<400> 163

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	atgtggggct	gtggtatatc	cttcgaagaa	atccaacact	gcggtttcaa	gattttcaac	360
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	cgatcatgat	agatcaatca	acgtttccct	atagtcagag	atcaagttga	ggtaattcat	1020
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 <212> DNA
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 <211> 1048
 <212> DNA
 <213> Arabidopsis thaliana

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<210> 166

<211> 1045

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(1045)

<223> n = A,T,C or G

<400> 166

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	catccaattt	aagaaaagcc	ttatttatgc	aagaaaaccc	caaccaaacc	caaaaatgaa	180
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<210> 167

<211> 1044

45 <212> DNA

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<223> n = A,T,C or G

<400> 167

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5	gaaggtggag	ggagaaacat	aagaataggt	ttaaacagaa	caggaaagag	ttgcaggtta	240
	aggtgggtta	attacctgca	tcctgggtctc	aaacgtggta	agatgactcc	acaagaagag	300
	cgttttagtcc	ttgagcttca	cgccaaatgg	ggaaacaggt	ggtcaaaaaat	tgcccggaaa	360
	ttaccgggga	gaacagataa	tgagataaaag	aactactgga	ggactcatat	gaggaagaag	420
	gctcaagaga	agaagcgacc	tatgtctcct	acttctcat	cttcaaactg	ttgctcatca	480
10	tctatgacca	ctactactag	tcaagacact	ggaggctcca	acgggaaaat	gaatcaagaa	540
	tgcaagacg	ggtactactc	catggatgac	atatggagag	agattgatca	gtctggagca	600
	aacgttatta	aaccggtaaa	agacaactac	tactcagagc	aaagctgtta	cttgaatttc	660
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 <212> DNA
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	aagaaaagta	gaaagaaaaga aaaaaagaaa ctgataggtc tcacttcaat ttgaggctca 180	
35	agaattaacg	aacaaactag aacaagaaca aagaagaaga agtagaaaaa aggcgggaag 240	
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	agcctatcca	agaaagtata	taaacctcct	ccaagtagaa	gagcaccact	tatgggattg	180
	atccatgcag	agacctttcg	caacgaaagt	aagctctgta	aagctccggc	aaaagaagca	240
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10 <212> DNA

<213> Arabidopsis thaliana

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15 <222> (1)...(1042)

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25 cagatctatg ccgcaaacga aaaccttcaa gaaaaacttg aaaagctgaa ccaagaaatc 420
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<211> 1042

40 <212> DNA

<213> Arabidopsis thaliana

<400> 172

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cgcattttaac caaaaattgc ataccggttc aatcaaacaa cagaacagac caatctcaga 180
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ggaaaacttt gtcagtttct tcttgaagct atatgagttt cttgggatac agcaatacaa 300
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50 aactctgtcc aatatgccac cgtgtccagg gatgagtgag ccggagtctt tgacaccgcg 420
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	ccgctgaagt tatcgagata tctatatgac caaaatacaa tgtaagtatg ggcataagag	960
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 <212> DNA
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	gcaccaacaa ggagcccaat gataacttta ggggtcaaaa catctacggt gtggatccct	960
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<210> 174
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 <212> DNA
 <213> Arabidopsis thaliana

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	aaatgtcgtt cttgttctaa gatgacaga aaacgattca caattatatg ttcaacgaaa	180
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<210> 175

10 <211> 1038

<212> DNA

<213> Arabidopsis thaliana

<400> 175

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	agaagagtcg gttaactcca atgaactcga tgtattcaca tcaagtagta gtaattccat	180
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	acacactact tcaagcatta ccaacccaaa ggcgtaaaca tcagtgttg tggttgctct	540
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<210> 176

35 <211> 1038

<212> DNA

<213> Arabidopsis thaliana

<400> 176

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	gttctaata gctctcgggc attcaagtca tcatcatata gagctgcagc aggacagact	180
	caacattatc ttgctcgaag ttcattgcct gtcgtaaaga actcgtgggg atcaccacct	240
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	cctgtccgca gaaaaactct tttgactcca cgagcgtcaa aagatgtacc ttctagcttc	420
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55	ccgtacgact aagaagaaac aacattggat cgttatgact cctctttttt tttttttttt	960

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<210> 177

<211> 1038

10 <212> DNA

<213> Arabidopsis thaliana

<400> 177

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	aactccattg	atttaaatta	tttcgtttta	caaccatcgt	catataaagg	ttcaaggaca	180
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<210> 178

<211> 1037

35 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 178

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	ttattttttt	ccaaaggatc	attgtatcat	catattatca	cttccacatg	aagtttctct	180
	aaagcaaagt	atttctcttc	tcttttctag	ttggctttcg	aatcaatcac	cttcttagca	240
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	tgtgatttga	tagagctttc	atcagtatcg	attagactca	ctggcttctt	gaaatcgact	360
50	tgtggtcctt	cagatgaaca	aagcatgaat	ccaatgactc	cactcgggta	agttggaaca	420
	ctggtccaag	cgtagttaac	agatccttta	aagatgtcac	ggcaattaga	aacaatgtct	480
	tcaatgatat	ccatgtgaag	ccacaagctt	tcagcttggtg	tgacacacac	tccaccagga	540
	cgaagagctc	tattcactga	ctcaaagaaa	ggtttctcaa	atagctcttt	tgctggaccg	600
	attggatcag	atgaatcaac	aataactgca	tcataggttc	cttcagcagc	gttcttcaag	660
55	aaagcaacac	catcgccaat	gatgaggttg	acacgaggat	cctcgtatcc	aactgctaca	720
	ttagggaaat	actgcttagc	cacatcaacc	accattttat	ctatttcaca	aatgtcaatc	780

5	tgctcaacag	aactatgacg	tgccacttcc	ctcaggactc	ctccatctcc	tcctccaatc	840
	accagtannt	ttttgggggt	ggagatagag	cacaaaggaa	gatgagtgat	catttcttga	900
	tacgcacatt	catctctctc	agtgagttga	atcactccat	ccaaaaccaa	aacctttcca	960
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	ttctctacct	tgagaga					1037

10

<210> 179

<211> 1036

<212> DNA

<213> Arabidopsis thaliana

15

<400> 179

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	atatttgatg	atgcaaaaga	aaagctgtag	cttgacgcac	caaacctaaa	gtgataagtt	180
20	tcacactttg	gggtctatgcc	atcaagttat	attcatctct	ttcgattaat	acagagtttg	240
	tcggcttcta	tcgttcattc	cttcttggtt	tcctttccct	tatctgcttc	tgataataat	300
	gtctgctcgt	atacgaattg	agtgagcagt	gggacaagga	tagctccaag	aattgcgact	360
	tttctccaat	ccggtgaaga	aacgaaggaa	tcagcaattg	cgagaaccac	aatcccaatt	420
	aacccgaggt	aaatatccct	tcttgacttt	gatcctgcac	tttctttggg	aacctcttgt	480
25	attttctcag	tttctctctc	agcttgctct	ctatccactg	gttttttgct	acgtaagctt	540
	ttaaagaaca	atccttcatt	cctgtctact	tgaatcttct	cctcaaactc	agccaactta	600
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	aagagttctt	gcctgagagt	atcgcttctg	ggttttggag	ggtcgggatc	agaatcagaa	900
	tctgaagtgc	cgtctcccca	tttgagagag	cagagaaatt	ggggtcggga	aagagaatgt	960
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	gtgttcatca	tcttct					1036

35

<210> 180

<211> 1036

<212> DNA

<213> Arabidopsis thaliana

40

<400> 180

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	tattgatgcc	tttatactac	aaaatgatga	atgacaaatt	ggtgaaaaaa	aataacttat	180
45	tggtggtcta	gaccagaatc	tcaacatgcc	atctgaacat	ttcctccctc	gtcacgggca	240
	gattcaaagt	cacaagccca	acctcggcgt	cgtacgtgaa	atcagtctct	gtgctttcaa	300
	cggcgcatth	tagaggacgc	tgagaagagt	aagctccaaa	acgaccacag	cctctgacac	360
	tgacagatac	cagagctggt	ggagaacggg	tatcgctgag	cgcgggagaa	gccgaggaga	420
	tctctccatc	gaagaattca	ggattcttgt	cggctacgtg	attgatatac	atcgactcga	480
50	ttgctccact	tgagttgaac	atgtctacaa	gtcctatttg	tgcgaaacgaa	atgttttcag	540
	tgatttccct	caaaggagag	atgtggaaga	gttcatattc	aaggactttg	agggtgagag	600
	gaattgaagc	accttttaggt	agtcttacca	cctcacctga	tctgtatgca	tagactattg	660
	aatctccact	ccaatcttca	ccagccactt	gagagattag	atcagcatca	tccgcacgga	720
	ttgaaccgct	gagtggtgca	ggagaagtat	catggatctg	gttcttcttc	gtttccttgc	780
55	accaaccagc	accttgacaa	ttgaatacac	caacaatacc	agtaaaactta	ttcatgttcc	840
	agatcttgag	caagctgatt	ccatctctag	ctggatcagc	gaataagcag	tcacgggtag	900

5 gcctacccgg gagcttagcc cgaagaactg aaccatcagg aagaaccagc ttcttcaata 960
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gcgctgcagc atggta 1036

<210> 181
10 <211> 1035
<212> DNA
<213> Arabidopsis thaliana

<400> 181
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acaagtttga ctcagttgac aaaaacagac caggggatca aagtcatact gtcccatggg 180
gaggaattcg tggcagatgt cgtcttattt gctactggca gaagtcctaa taccaaaaga 240
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20 tattcacgaa ctaatatacc tagcatatgg gctgtaggag atgccacaaa ccgaattaac 360
cttacacctg ttgcgttaat ggaggccacc tgttttgca acactgcttt tgggtggaaag 420
cctactaaag cagaatacag caatgtcgcc tgtgctgtat tttgcatacc accactagct 480
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25 aagctaatag ttgatgagaa gagtgataag gttattggag catccatgtg cggtcctgat 660
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30 tgagtttaat catactcgtg tcccaataaa ggatttgtaa tttttgtttg tttgtatgat 960
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ctttattaca aagaa 1035

<210> 182
35 <211> 1035
<212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(1035)
<223> n = A,T,C or G

<400> 182
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ggttacccga tcgagggatt gtcgattggg gggcacgaga cgtgcatcat atttccatct 180
cttcggatag ctttcgacat tggctcgttg ccacatcgcg caatttctca agacttcctc 240
ttcatctctc actctcacat ggatcatatc ggtggattac caatgtatgt tgctactaga 300
50 ggcttgtaga aaatgaagcc nnnaacgatt atagtaccg catnnattaa agaaactggt 360
gagagtttat tcgaagttca cagaaagtta gattcttcag agctaaagca caatcttggt 420
ggcttgagca taggggagga gtttattata aggaaagatc tcaaagtcaa agcctttaag 480
acataccatg tcatccaaag ccanngttat gtagtgtatt caactaaata taaactcaan 540
nnnnnatata tnnnnctatc tggaaatgaa attaagaact tgaaggcttc aggtgttgag 600
55 attacagaca gcataataac tcttgaagtt gcttttacgg gagatacaac gtcggatttt 660
gtagttgatg aaactaatgc tgatgctctc aaggcaaagg ttctcgtcat ggagagcaca 720

5	tttcttgatg	attcgggtatc	ggtagagcat	gcgagagatt	atggacatat	ccatatatct	780
	gagatagtaa	atcatgctga	aaagtttgaa	aacaaagcaa	tcctgctaata	ccacttttctg	840
	gctcgggtata	cagtgaagga	aatcgaagat	gcggtttctg	cattgcctcc	accttttagag	900
	ggacgtgtgt	ttgcactaac	acaaggattc	taaacattat	aacactctta	taggttttac	960
	atacttttgt	ttttgtattc	cacatgtaaa	cattgtattc	tgttggttaat	tttaagattt	1020
10	cttctatcaa	aaaaa					1035

<210> 183

<211> 1035

<212> DNA

15 <213> Arabidopsis thaliana

<400> 183

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20	caatagacaa	agattcatct	aaaaatgatc	caacggccag	aaaccatta	cgatgcaaat	180
	taaaaaagca	aatcacgaaa	aattcatcag	attaacaacg	ttgaatttga	cgtcttcagt	240
	aatcgggtgg	aggcaattgc	tcgtgggcat	tttcatcgat	gaagacaaag	tcgtagataa	300
	ttccggcgag	tccaccacca	ataagaggac	cagcccagta	aaccagtg	ttgggtccacg	360
	tccagcttac	gacggctgg	ccgaaagcaa	cggctgggtt	catggaagct	ccgctgaaag	420
25	ctccaccggc	gaggatgtta	gctccaacga	tgaaacctat	ggcgattgg	gcgattgttc	480
	cgagactacc	gttcttggg	tcaacggctg	tggcgtagac	ggtgtagacg	agcccgaagg	540
	tcatcacgat	ctcgaagacg	agagcgttta	atgatccgac	tccggcagag	agaccgaacg	600
	ctggaattgg	ctcgccaccg	gtggcaaagc	taaggaggaa	acaagcggcg	acggagccaa	660
	gaagctgagc	aatccagtag	agaataccac	ggaggagagt	gatgttacca	ccgagtaaga	720
30	caccgaaggt	aacggcagg	ttaacgtggc	caccggaaat	gttagcgcca	acagagacag	780
	cgacaaagag	accgaaagca	tgagctaagg	cagcggcgac	gaggccggaa	ggagtgggtg	840
	ctccattgtc	agtgatcttg	ttgaaagcaa	ttccggagcc	tgatccggcg	aagacgaaga	900
	tcaaagtcga	gataaaactca	gcgagcgccg	ccctaagtgc	gttgggggtg	tagacctctt	960
	cttggaactcc	accaatggcg	atgtttctgg	tcggcatgat	cggagaaaga	tttaacggct	1020
35	gaggttaaaa	gcttt					1035

<210> 184

<211> 1033

<212> DNA

40 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1033)

45 <223> n = A,T,C or G

<400> 184

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	tcatgtttat	caatgtatag	aggaaaaaat	aagtcgttgt	ttaccttaca	caaagctcaa	120
50	atttgagta	ttcttttagtc	gatcttcttg	ctcccgaaca	ctttcatttt	ctctggtaaa	180
	atgccattga	tgaacataaa	aattgatgat	accaacaaaa	ccttggaac	agcagttatt	240
	atgacggaag	atgatccgg	ggttgcaaca	aagttatgat	agagagtaat	cagaatgact	300
	atggcaatga	gagtctgctt	tttccattga	attgtttcag	taacttctgt	tttgggttga	360
	ttttgagctt	tcaagtgtga	gaatgaatct	attgtcctct	ttataccttc	ctgaagtggg	420
55	acaacaggag	aatagnntaa	acgatnnnnt	gcttttgaag	aatcaaagt	tctgttgcaa	480
	gagagtagcc	taaccctaga	aggtgttagc	actggtactt	tcatcccata	cgggtccgagt	540

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5  aatttatatg ctagnnnnnc aagatatgct attggcatca tgagacttgc aggtatcttt 600
   atacttggnn nctcatagcc aagtccttca agaagctgtg acataaactc ccaaaattta 660
   attggctcca tgttggtaat gaagtaagcc tggccagcag cttttgcaca tacttctcct 720
   cctgatgcta gagctcgctc agcacagaca tgggcgtgca caacattttc aacataagtg 780
   aaatcataga agttactccc atcacctata atgaacttgg atttcccagc cctggcagca 840
10 gtaacaagcg atggaaccat taatttatca ccaggaccaa atatgctgct aggacgtatg 900
   caacaagtga gtagtccact tcttccattc gctttcaaaa tcaaagcttc cccttcagct 960
   ttagtagctg aatatgaatc attatgctta ggtggatacg gcagtgattc atcagcattc 1020
   aaagtagcgg ccg 1033

15 <210> 185
   <211> 1033
   <212> DNA
   <213> Arabidopsis thaliana

20 <220>
   <221> misc_feature
   <222> (1)...(1033)
   <223> n = A,T,C or G

25 <400> 185
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   atacacaact gtcaggaag caaggcagct gcttccttca atcgttgagc ttttaaagat 180
   atacatgcct gctagaaaga ctggagagga aatgaacttc acatacgtcg agtgtttggt 240
30 gtatgcgttt catcaccttg cccacaaggt tccaaatgct acaaacagct tgtgtgggta 300
   caagattgtg accggccagc catcagacag attgggggag gacttctcag agttgaacaa 360
   agactttact gagagattaa ccattgttga ggatctaact aaggcaacga tgaagaaatt 420
   aactcagggg atgactgagc acaacaaagc catgtcggct nnnnngacag atgaagagaa 480
   agcaggtatt aaaacaaann nnnagaatac tacaactgga cttaggacct gtaataacat 540
35 attggcgatg acaaagccat tgcattgcaa agtgccacct tttatcggag acactaatct 600
   caacctgtct tggaaagaag ccacaaagcc gttagcctca acaacaacaa caattggagg 660
   aaagcggcct gctaatagca acaatggaag tggtaacaat gttgcagcaa agaagggacg 720
   tgggtcgggt actatgcaa accagcttgt gnncaaggcc tttgagggga tatcatccta 780
   tggagctggg agaggcggaa accgaggttg gggaagacgt ggaggtgggt gaggaagagg 840
40 acaaggaaga ggtcactggt aataacaagt ttccagtaga ggattccatg actgtgtttc 900
   tgtttctgtg tctgtctgtc agtacaagtt ttgattttgg tacttagtag agtttgagaa 960
   cttctcttct catatcagaa tagatcatct gtgtttttct ctgttcacta aagatatttc 1020
   gagcattaga aaa 1033

45 <210> 186
   <211> 1033
   <212> DNA
   <213> Arabidopsis thaliana

50 <220>
   <221> misc_feature
   <222> (1)...(1033)
   <223> n = A,T,C or G

55 <400> 186

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5  ctgttttctt gttctgttct tagctaatagc agcttttggc gtcaaattca acttcgattc      60
   cttcgatggc agcaacttgt tattccttgg agacgcagag cttgggcctt cctctgatgg      120
   tgtaagccga tccggagcct tatccatgac ccgagacgag aacctattct ctcattggta      180
   aggtctttac atcaatcaaa tcccattcaa accttcaaac acttcttctc ctttttcatt      240
   tgaaacttct ttcactttct ccatcactcc tcgcacccaa cctaactccg gtcaaggctc      300
10  cgccttcac ataaccccg aagctgataa ctccggtgct tcagggtggc gatatactcg      360
   aatcctcaac aaaaccaac atggaaagcc agagaaccac atcttggcta tcgaattcga      420
   tacttttcag aacaaagagt ttctagacat tagtggtaac catgttggag ttaacatcaa      480
   ctcaatgact tctcttgtcg ctgagaaagc tggttactgg gttcagacaa gagtcggtaa      540
   aaggaaagtt tggctgttta aagatgtgaa tctgagcagt ggagagaggt tcaaggcttg      600
15  ggttgagttc agaaacaaag actctacgat tacggttaca ctgcgcctg aaaacgttaa      660
   gaaacctaa cgnnctttga tcgaagctcc cagagtgtcc aatgaagttc ttcttcaaaa      720
   catgtacgcc ggttttgcgt gttccatggg acgtgccgtt gagcgtcacg atatttggag      780
   ctggctgctt gaaaacgcgc ccaaaaacaa ctaaacccgt ttggttctgt ttataggcta      840
   agtatcgctt gttttgtttt tactttttta gtaattgctg catactactc agtggttaact      900
20  agagtgaata attatggtt gaataaaaca agccaagtgc gtggtttcat tactccggat      960
   tgccatattt gtattcagtc tgattaattc agatatctca ataaaaagaa ctttgttttc     1020
   atgtaaaaaa aaa                                     1033

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<210> 187
25  <211> 1033
    <212> DNA
    <213> Arabidopsis thaliana

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<220>
30  <221> misc_feature
    <222> (1)...(1033)
    <223> n = A,T,C or G

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<400> 187
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   actctcaaca ggctcaaate tggcgccgaa cgcgtctccg tttcctaaga catctataac      180
   caaggatcct cgtcggcgta tgatgtgact ctgacagata atagctggga taaaaagact      240
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40  ctgtctcatt ctatcgaatt ggaggccaag gttaaaggag tcttctacgg tgctcctgct      360
   gtcgttactt tccgcatccc cactaagcca gctcttcagg aagcactact aactccacta      420
   ctacctctag atatcctcgc agacaaacct ccaacgaaac ctttggacgt ggccaagagg      480
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45  agtgaaatga aagggtgagaa aggttggtac ggtgctgttt tctgtttaac agttaaacac      660
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   cttcaagttc aaagagttat tttggtttta cttaatctct ttgtgagagc atagtcattg      780
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50  tctgtttgct ttgtagtctg ttttaatacca catttttatt tgttgttggt gtagagtcta      960
   gtctggttat tgggtaagta ttatgatttc gcctagaagt ttttttctgt tttgataatt     1020
   gctatgtttt ctt                                     1033

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<210> 188
55  <211> 1033
    <212> DNA

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5 <213> Arabidopsis thaliana

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<400> 188
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10 acgaagagat ggttcaattc atggaacagc tcgttacagg cgctactcca gcggaagagc      180
tcaccgttga agagaggaat ctctctctctg ttgcttacia aaacgtgacg ggatctctac      240
gcgcgcctg gaggatcgtg tcttcgattg agcagaagga agagagtagg aagaacgacg      300
agcacgtgtc gcttgtcaag gattacagat ctaaagttga gtctgagctt tcttctgttt      360
gctctggaat ccttaagctc cttgactcgc atctgatccc atctgctgga gcgagtgagt      420
15 ctaagggtctt ttacttgaag atgaaagggtg attatcatcg gtacatggct gagtttaagt      480
ctgggtgatga gaggaaaact gctgctgaag ataccatgct cgcttaciaa gcagctcagg      540
atatcgacgc tgcggatatg gcacctactc atccgataag gcttgggtctg gccctgaatt      600
tctcagtgtt ctactatgag attctcaatt cttcagacaa agcttgtaac atggccaaac      660
aggcttttga ggaggccata gctgagcttg acactctggg agaggaatcc taciaagaca      720
20 gcactctcat aatgcagttg ctgagggaca atttaaccct ttggacctcc gatatgcagg      780
agcagatgga cgaggcctga ggatctagat gaaggggggg aggggtgtta cgcgatgttt      840
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tgaagtgttt atgatgatta tgattgtgca cagcttgatg atttatctac tctactaaac      960
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25 ttaaaaaaaaa aaa                                     1032

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<210> 189

<211> 1032

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1032)

35 <223> n = A,T,C or G

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40 ttgcaggtag cctcctgaag agattgagcg gcacagaggg tagcttgtgc ctgaaccttg      180
gatgcctcag cacatagatc ccagcaagaa gtgcaacaac ctgaaacggc gtaacataca      240
acacgatagc agctatgaga cagaaaagca caaacaatgt ggttgccctc ggggtctctcc      300
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45 aagtcgggaa agtatcaaac tcttcatcaa gctcgtcggg gtgaacagcg tctgcatggg      480
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tcaagaaaag gtacaagaaa accgttggga ggattaattc cgggtaaaga actaagataa      600
tgaaaagaac atgaatgaga attgtgggta ttgggtttct ccagttgcag atctgatcaa      660
accattttcc aacagcaatg agaccactca gaacattcat gattctgaag aagttagctt      720
50 tactcctcct catgctccac atatgggagt caacatcgag catgtactcc acaatctctt      780
tgcaagaggc cggctctgcg cgggttcagcc ttgccgagac aatgttcatc gcctgggtgtc      840
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gctgagaata catatgaagc atgttgatga gagataggca agtgaaccgc acagctaact      960
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5 <210> 190
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 15 aaggctacgg tttcggcgat tgacgccaga gatttgcctg gtgttaagaa tccgaaatcg 300
 agattgtact ggcaattctc agctccggtg aaagaagact acaagattag cagagaggag 360
 gaagaagaag aagaagaaga taagcagagt tactacgtga atatgggtca cgcggttcgt 420
 agtatcagag aagagtttcc tttgttgttc taaaaagagc ttaattttga catttacagg 480
 gatgatattg ttttcaaaga ccctatgaac actttcatgg gaattgataa ctacaaatcc 540
 20 atatttgagg ccttacgttt ccattggaag atcttcttca gagcactatg tgtggacatt 600
 gttagtgttt ggcaaccac agagaacact ctgatgatac gatggactgt tcatggaatt 660
 cctcgtggtc cgtgggagac tcgtggtcga ttcgatggta cttctgagta taaattcgat 720
 aagaatggca agatttatga gcataaagtc gataacatag ccattaattc gcctccaaag 780
 tttcaaagtc tcaactgttc agagcttgtt gaagccatta gctgcccttc gactcccaag 840
 25 ccgacctact ttgagttcgg agattgattc atcatcatcg tctgaaacat catgctggtg 900
 ttatgtatac tagtagtctt ttgtgtggtt ataaatagag tggtagtgta atatagatga 960
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30 <210> 191
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 <212> DNA
 <213> Arabidopsis thaliana

35 <220>
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 <223> n = A,T,C or G

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 cgagtttctc agcttttctc ggatcatcta attagagag gagatcttgt ctcccggtgg 180
 45 gattgatttt tctcttcacg aagatcgtgt tccaggcaat taactgcaga aaatgggtgat 240
 gtgggtcttt ggctatggct ctcttgtgtg gaaccanna tttcactacg atgagaaagt 300
 gttaggtttc atcaaggat ataaacgtgt ctttgatctt gcttgcatg atcatagagg 360
 tacaccagaa caccctgcaa gaacttgac cctcgagaaa gctgaagaag ccatatgctg 420
 gggtagtgca ttctgtgtcc gtggaggacc agaaaaagaa cgtctggcta tggagtactt 480
 ggaacgtaga gagtgtgaat atgatctcaa gacaagtgt gacttttaca aggaagatga 540
 50 tctctaaaag ccagctgtaa ctggagtgat agtattcact tctactcctg acaaggctctc 600
 caacaagtat tatctcggac ctgcgccatt agaagacatg gcaagacaaa tgcgcacagc 660
 caatggacca tgtggtaaca acagagatta tctcttctct ctcgagaagg caatgcacga 720
 cattgggcat gaggaggact atgttataga gctggcaaac gaggtgagga aggttctggc 780
 cgagtcctcg actaagaagg tgacaccggt gaaggaatca agagcaagcc gtgtagctaa 840
 55 caagtcgaag aacaatgtcc ccacggctca tcagatacta cctcatcatc cagaagctgt 900
 tgccactaca atataactct ttagtgtttc ttcttaattg gctttagaga tgagtgaat 960

5 cagggtctttt ttttaataat aataacaaag taagtttggt ttctgagtaa aaaaaaaaaa 1020
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<210> 192
 <211> 1030

10 <212> DNA
 <213> Arabidopsis thaliana

<400> 192

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	accatgtctt	cgctgacgcc	attggccacc	acatccaaaa	tgtcgttggt	cacgaaggcg	180
	aacatgactc	tcacgggtct	atcaggagtt	gggactacac	atatggtata	catttagtca	240
	tttacttata	ctttctctct	atatatttat	cactttttacg	gcctatgtgc	gtccgaaact	300
	atggtttttg	tgggtctactg	ccaaatatga	aatactacat	atgatcatta	attaaggaat	360
20	ttgtttctata	agacccaaaa	catatataat	aatcatat	tgcatttatg	tttacatatg	420
	aaaacgaaaag	tcatatgttt	aaaagtaaaa	agtattttca	tatttgagaa	taattttgaa	480
	aaatataaac	ggaaaaacat	gatagtcaga	tattaatcct	tatggtataa	ctagctagt	540
	ggatgttgga	aattgtaact	aataaacaca	tgtgtgtaag	atggaaagaa	ggagatgttc	600
	aaagagaaga	gagagataga	tgatgagaat	aaaacattga	cgaaaagagg	actggatgg	660
25	cacgtgatgg	agcatctcaa	agtatttgat	atcatctacg	aatttattcc	caaatctgag	720
	gatagctg	tctgcaaaat	cactatgata	tgggagaagc	gcaacgatga	ctttcccgaa	780
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	gtcttttcga	taatcaatat	aataaagggg	gtcttggtga	gtttctattc	tctgtaactg	960
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<210> 193
 <211> 1029

35 <212> DNA
 <213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(1029)

<223> n = A,T,C or G

<400> 193

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45	cgaaacccaaa	accctaacaa	aaccaggtaa	taataataga	agacattttt	taacactgag	120
	gaagatcatg	aggaggagga	agcagagttt	gtgaaggaag	aggtccatct	ttnnngataa	180
	accccatgtc	taaacccac	gaagtannnn	nnctagatg	acagtgaata	aaccaaactc	240
	ctggattatc	cgcattttatc	ctaatecgccg	cccatcctcc	cgtcggcact	gcaaanntat	300
	tcctctccgg	cggatccacc	aagttgtacc	ttttcggatc	cttctccggg	tcanaattcc	360
50	caaatcctct	tcccactacg	aagaaattgt	gtccgtgtac	atgtaaagga	tgattctcga	420
	tgtttaagaa	actcgttccc	tgaaacacga	tctctaattct	cgatccgaat	tcgacttcga	480
	aaagcttcgt	accgaattct	gtgttcattgt	tttccgatan	nnntctact	cccgtgaaat	540
	cgaatctgtt	cggtggtttc	tctgggaaat	cgagtgaaga	aactcctttg	ctctgtttct	600
	tatagtagct	ttcgaggatc	gatatcggag	gtctgacaaa	tgagatgttg	ttcattgatg	660
55	cgaagaatct	cttccctg	taaccgtcgc	aggtctgatt	taacggacaa	tcctggagat	720
	tgagacttat	cgtggtgatc	actcgtttgt	ctatcttcgt	cgggacttta	catggatact	780

5 tcgctgatcc cagacttttg atgctatcgg agaatttcgt cgcgaatttc gtatccagca 840
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cggaattttc cggtttggtt ttaccgggtg aacggatgaa tcctacgggtg gttgagttgt 960
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gttggtcgg 1029

10 <210> 194
<211> 1028
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(1028)
<223> n = A,T,C or G

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ctggtttcat gttcctgtct tacaattata caaggctaag taagcttaca ttctttgatc 180
25 acagaccgga ccgtgattca tctgagccca ccacagcttc tgattagatc aatcatcctg 240
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gcatagaatg acgggcaaaa tttgttggtt tgtcactcag cagattcct tcataaatat 360
catccaaaat tctgacctg atataaggat cttnnnggagg gaccatatcg acattcaact 420
cgattcctac ttttcccatg tatgatttta gagcaaccga atggtttttg aagtattcct 480
30 tctctagtgt agtgagcttc tcttggtatt cagaggggaag gtcgagaagt tcaagcccta 540
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gattctggtc acactcctcg attgtttcat caaagagttt gctgttgaaa ggtttgagct 780
35 gacctttctc tccggtggca aaatccttga taagctgata cccttttctc ccgtacatgt 840
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40 <210> 195
<211> 1028
<212> DNA
<213> Arabidopsis thaliana

45 <400> 195
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50 cactgttttg actgttatgg gtgtgaagag gtcaccgaac atgtgtgctt ccgtcggaat 240
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tggtgtggtc aaggggttcc agccaaagca ataccaggct ttgggaggtg gagccaacac 480
55 catagctcat ggctacacca aaggaagtgg tcttgagct gagattattg gaacctttgt 540
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5 tcctattcta gcaccgctcc ctatcggatt cgctgtgttc ttggttcact tagcaaccat 660
 cccattact ggaactggaa tcaaccacgc aagaagtctt ggagctgcaa tcatcttcaa 720
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 10 tctactacct gtgtgtaacg tgtgtatctg ttgtcctctt ctttgcctaa tggagactta 960
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<210> 196

15 <211> 1028

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(1028)

<223> n = A,T,C or G

<400> 196

25 ttttttttagc tcaaatattg ttcaatttcc aaggactggt catctcaagg tatacagaaa 60
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 catctacaag atcgggatca aagcactttg gttggccgcc cgctacataa agagggtccc 180
 ctaccaaggg atgtcccatg tatgcaagat gaatccggat ttgatgtggt cttccagatt 240
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 ctagtgtctg atatatcttt gatagttttc ttctgttcc acactcttga tccaggttgc 480
 cggagccgac aagagatggt nnctcagcaa aatacgctgc aagtttcggt tttgccagct 540
 tgggtctttgc acagagaagt atacctgaag ttctctacc cagtcgatgt acagggacag 600
 35 gatgtggtga ttcacgcgat ccgatgtaag agtcattttt accaaaacac cactgcagct 660
 gcgtaaacac agtccgttgc tggaaaagtc ctccgggcaa tacttgaagt ccagaaggct 720
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 40 ctagcaatgg agctgaactc ttgtatttgg tgaagtagaa ttctgacacc gtcgttaact 960
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<210> 197

45 <211> 1027

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(1027)

<223> n = A,T,C or G

<400> 197

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5	gtcgcactcac	ttgtgggtccc	ctgagttcga	gcagaaggta	gactcaatgc	tacgatcagt	180
	cgttgattgg	agcgaagggtg	gtctcactga	gatccgcgtc	cgccattgca	gcgaccacgc	240
	tctctcttac	gcagccgata	gatgcccga	tctacagggtt	cttgccatta	gaagcagtcc	300
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	tgatatcagt	tactgtcacg	agatatctca	cgacactctt	gtgatgattg	gtagaaactg	420
10	tcctaactctg	aggatcttga	aacgtaactct	tatggattgg	tcttctcggc	acattggctc	480
	tggttcctaca	gaatacttag	acgcttgtcc	tcaagacgga	gacacagaag	ctgacgcgat	540
	tgggaaacat	atgatcaatc	tagagcattt	ggagattcag	ttctctagat	tatctgtcaa	600
	gggtcttgct	tcgatatgtg	agggttgtcc	caagctagag	tacttggact	tggttgggtg	660
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	tggacattgg	agactctatg	acgagagatt	tgacatacaa	gccatgagaa	tctgatttct	840
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	ttgttatatg	tagtggttgt	aaaatggacc	ttaggcccac	gggtctaaac	gggtattttg	960
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20	aaaaaaa						1027

<210> 198

<211> 1026

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1026)

30 <223> n = A,T,C or G

<400> 198

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35	atttctttgt	ttttcccctt	ttttgttgtc	tagggttttg	tttgatttcc	caggaatcga	180
	ttattctaag	gtttttgtttg	attgcctaga	tatcaatgtt	tctgattagc	cgcggattga	240
	ttccgatgcg	attcttcggt	gattgaattc	tgggatttga	aaattctctg	ctcgcgaatt	300
	tgtcatagaa	acacgcttta	atggcgtgat	gcgaaacaga	ttgtttatga	ttaggctgaa	360
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40	ccatgttcgt	gttttgatag	ttttggttga	tcagtgaag	gctccatgtt	catgctatga	480
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	agaagcttcc	actcgactgg	agttaagaag	atgagcggag	gaggacatgg	tggttacgat	660
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<211> 1025

<212> DNA

55 <213> Arabidopsis thaliana

5 <220>
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 <222> (1)...(1025)
 <223> n = A,T,C or G

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 15 cggagtctcc gaaggagctt ccttcgacga aattcttcgt gccagaat cgatcctggc 300
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30 <210> 200
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 <212> DNA
 <213> Arabidopsis thaliana

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5 <212> DNA
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 actgaacatt ggccacatca tacatataac gcagatgatg aattgttggt atttggggga 180
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15 <213> Arabidopsis thaliana

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40 <213> Arabidopsis thaliana

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   tacacaaacc tttattatac aaatggaaaa acaaaagaaa attcccaact tcacaattct     180
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   cggctgtaga attgatcaag tgttttggca ggaatacggg gaagaagctc acgtgggaag     360
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   gaagacagag cttcttctcc aacaacagct ttcattggctt gaacatcttt tccgattgca     540
35 taatttgctg atagctgggt ggacacatca gaatggtctt tgcgagtcac tccttcacca     600
   atagcactct tcatcagccg agaaagtgat ggaagcacgt taatgggtgg gtatatctgt     660
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   tctttttctg tgcaatttcg tactttctaaa aacattcctc ctacaaatct tatatttcga     180
   aatcaacaaa ataaaattaa cttattccct gaaatattaa aatctaaaaa gttaaaaaaa     240
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20 <212> DNA

<213> Arabidopsis thaliana

<400> 211

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45 <212> DNA

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55	ccatgatggc	aaagtgtgac	ccgcgacatg	gaaagtacat	ggcttgctgt	ttgatgtacc	420
	gtgggtgatgt	agtccccaag	gatgtgaacg	cagcgggttg	caccatcaag	accaagcgaa	480

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 ccaaactgac tttcgttcac tggatgtttg gtgaggggat ggaagaagga gaattctcag 720
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 gtcttagttg tgtgtttttc taaacctata tttctatctc ttgctgggtg tttgatttct 960
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 <213> Arabidopsis thaliana

20 <400> 213
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 ctccattttc ccattttctt ctccagtcgtc atcttcatca tcaactcctcc ttcaccttca 180
 ccttcactct ctcttttacc gccaatcatt accaccgatt cacctcctaa gcttcgggag 240
 25 aaaactgagc ttcctgtcat cggaagctgt atagattgaa gatccagttt caaatttctc 300
 gaatcatcgt tagtttccca tcgacgttca ctctgtaa atcagtgctgt gaaacaccat 360
 aacgtagagg agcttctaaa gtctccggcg gtgcgacctc tcgggctagt atctggaaat 420
 cgccagacgt tgcgattct cgaccatgaa tctgtcgtcg gatcgtaa at tctccgtca 480
 gatcggaatc ttccttgaga ttccgttccg taaccgctca gcacgcaaaa ccttagaccc 540
 30 gtaccaacgg cgaatccttg acattcgtct ctcccttccg tcatcgaggt aaccgacgac 600
 cactcgtctt tctcgacgtc gtacacctcc gccgagcgta aagcgttttt ctgatcgctg 660
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 gattccttca ttggcgacac tegtctccac ttcccttccg cgaattccag aacgtaaacg 780
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 35 tctgaagca cgacgcactc gcagaaaagc gggatctgct cctcctctgg aaacgcaacg 900
 cgatgccacg tggacatcgc agcgttgtaa acgctcaatc caaacgcgg cggtgcagaaa 960
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<210> 214
 40 <211> 1016
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 45 <221> misc_feature
 <222> (1)...(1016)
 <223> n = A,T,C or G

<400> 214
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 catttttagag gtttaagctt tctactata tcatcggttg gttcaaaccg tgctgttatt 180
 cattattcac cagagccaga agcttgtgcc gagatggacc ccgacaaaat ttacttatgt 240
 gattcaggag cacagtatct cgatggaaca actgatataa cccgaacggg tcaatttgga 300
 55 aaaccttcag ctcatgaaaa ggaatgctat actgcggtct tcaagggtca tgttgacta 360
 ggaaatgctc gggtttccaaa gggaacaaac ggctatacac ttgatattct tgctcgagct 420

5	cctttgtnnn	ngtatgggt	nnnttatcga	catgggtactg	gtcatggagt	tggttcttac	480
	ctttgtgttc	atgaaggacc	tcaccaagtt	agtttcagac	cgagtgccag	gaatgtacct	540
	cttcaagcta	ccatgactgt	aacagatgaa	cctggttact	atgaagacgg	gaactttggt	600
	attaggttg	agaatgttct	tggtgtcaat	gacgctgaga	ctgaattcaa	ttttggcgac	660
	aagggctact	tgcaattcga	gcatatcact	tgggcacccat	atcaagtga	acttatcgat	720
10	ctagacgagt	tgacacggga	agagattgac	tggttaaaca	catatcattc	gaagtgcaaa	780
	gacatcttag	ccccattht	gaaccagact	gaaatggaat	ggctcaagaa	agctaccgaa	840
	cctgtaagt	tatccgcttg	atccccctcc	agattttctt	taaatagatg	tttatcaatg	900
	gctccttcac	ttctctcact	agtaaaccaa	aaacattcaa	gtcatacaca	gattattttc	960
	tttagttttg	cattcaaagt	tcattgtttct	ggaccacatg	tctttattca	tagcag	1016

<210> 215

<211> 1016

<212> DNA

<213> Arabidopsis thaliana

20

<400> 215

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	gaaaacactg	ataatttggg	aaacaaaaag	atttaaaatt	tggtgagaac	aattagcaat	120
	ttacaagaag	tctagcttca	gaatcctcca	atcattagaa	ctgttttagaa	atctataatc	180
25	gtttgaggac	aaaaactcca	catccaatgc	ctagaaaagt	tgctatggag	accccaaaaa	240
	caccagagag	aatcccgggg	acgacaagag	aagtccatcc	ttttgcggtt	gccatggcac	300
	acgcagtggg	tgggcctccg	atgttagcat	ttgatgcaag	aagtaatagc	ttcatgtcga	360
	tacagaatag	ttttcctaga	accaaagtca	ctgctagatg	aaccattact	tgaatagcag	420
	caaataagaa	gatacttggg	gcagtgttga	ttacattcca	tacactccct	gtggctccta	480
30	gaattgtgaa	aaataacctgc	atgagaatga	gagagatggg	ttcagcagaa	gggtgccagag	540
	agttgaagaa	atcaggggaag	gatgttgcca	agacaatggg	gatggctggt	actgcaggaa	600
	gcataactcc	ttgtatctta	aatagcgtcg	tcaacgtaat	tgcatgctttg	catatcagga	660
	aggaaactga	tagtgaactt	gaagtggaaa	ccactctggt	cttgtcctcg	agcttgtcat	720
	ccttagtcat	gtcagcatca	ggggaagatg	ctgaggcggt	ctcagggggg	atctttgagg	780
35	ccaacgcaaa	caaaaccatg	aagtgaagag	cacatatgac	attatccaca	gctacacccg	840
	ctgctataac	agatggagat	atctgtagag	cctccgatat	cgcaacaaaa	ttaagggatc	900
	caccaatgta	actccccata	agagcagctg	ctattttcca	gttatccgga	ccaagcgatc	960
	tcacgtgtac	caacataaaa	gccaccactg	ttccaacaat	cgctcgcaaca	gatcca	1016

40 <210> 216

<211> 1014

<212> DNA

<213> Arabidopsis thaliana

45 <400> 216

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	agatgatgtt	ggagaaagac	gatctgggtc	taagcttagg	cttgaatttt	ccaaagaaac	120
	agatcaatct	caaatacaat	ccatctgttt	ctgttactcc	ttcttcttct	tcttttggtat	180
	tattcagaag	atcttcatgg	aacgagagtt	ttacttcttc	agttccaaac	tcagattcgt	240
50	cacaaaaaga	aacaagaact	ttcatccgag	gaatcgacgt	gaacagacca	ccgtctacag	300
	cgggaatacgg	cgacgaagac	gctggagtat	cttcacctaa	cagtacagtc	tcaagctcta	360
	cagggaaaaag	aagcgagaga	gaagaagaca	cagatccaca	aggctcaaga	ggaatcagtg	420
	acgatgaaga	tggtgataac	tccaggaaaa	agcttagact	ttccaaagat	caatctgcta	480
	ttcttgaaga	gaccttcaaa	gatcacagta	ctctcaatcc	gaagcagaag	caagcattgg	540
55	ctaaacaatt	agggttaaga	gcaagacaag	tggaagtttg	gtttcagaac	agacgagcaa	600
	gaacaaagct	gaagcaaacg	gaggtagact	gtgagttctt	acggagatgc	tgcgagaatc	660

5	taacggaaga aaaccgtcgg ctacaaaaag aagtaacgga gttgagagca cttaaagctct	720
	ctcctcagtt ctacatgcac atgagcccac ccactacttt gaccatgtgc ccttcatgtg	780
	aacacgtgtc ggtcccgcga ccacaacctc aggctgtctac gtcagcacac caccggacgt	840
	tgccggtcaa tgcggtgggt cctgcgacga ggatatctca cggcttgact tttgacgctc	900
	ttcgtcctag gtcctaagtc tttttactta caatcaaagg gcattgtggg cgttttatta	960
10	agtttcaggg accagatatg catgtagttg ttaacatgta tgtatttttt ttag	1014

<210> 217

<211> 1014

<212> DNA

15 <213> Arabidopsis thaliana

<400> 217

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20	atcaacaatt aaaaaataaa acaaaaacga aatctcacia atcgtaataa caattaagaa	180
	gaatctctaa gacgttttag ttgatcgcat cacaccttcg tcggatctct cctcgccgtc	240
	cggcctcaaac accgtgaaga ctcaacttct gcatagctcc ggcaaagtcg ttaaagaacc	300
	gagattgggtc tctcgcgtat aactcaacga acggacgggt tctcgggtcg gagaataaac	360
	cgtgatccga ttcaagtaac ccgagacctt tcggaatatt ctggaaatac atattatcga	420
25	atgtgttcgg agtcataacg tcgttgaaga cagatatcgt agggctcatt ttggaattcg	480
	aacaagcttt ctttaaagct accgcgaatc tcgggttata cccggtacta ttattcgggt	540
	tgaccgggtt cgtgaactcc ttgcaatgtg agaatccgat ggtgtgagca ccactcaaag	600
	caaccatttc ttgaacggag aagcctctgg agctgaattg atcgatgagc ttcgatattc	660
	gcatcgacgg gagcgggagg agatcggaga cgagagatga tttcgaagtt cgtgaatcgc	720
30	gacggccgag ggagatttcg tagtaaggtc caccgacggt tacgaggaga tcacgtaccg	780
	cgacggcgat gatatcggag caagagactg tgttgggaca agcgagttcg agagctgttt	840
	tagctcggat tactacgtcg aatccgtctc cggggagaga gagattgatt gatgaatcgc	900
	gttcggcggt gttgaaagcg gtggaagaaa cgaggacgga ggcgtcgcag ccgttgggga	960
	aacagtcgtg gaagaagagg cggagagctg cggcggcggt tgttggagtt gaga	1014

<210> 218

<211> 1013

<212> DNA

<213> Arabidopsis thaliana

40

<220>

<221> misc_feature

<222> (1)...(1013)

<223> n = A,T,C or G

45

<400> 218

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	attatcacca aacaaaagac aatttacaga agaaagatac catttttctc tcagactcgg	180
50	tagttttcgg gaagaggcat aacaccatca aagaaatctc caaaatagcc ggatggctca	240
	tggacaagtc ttgcaatgat gtctctaaaga gtgatgagtc cttcaagggt accaaaatca	300
	tccacaacat atatcctatg gatcttctcc gcgtctaaca tcaagatcag ttcctttagt	360
	gtatggttct tcgtgcaagc aatcacacca ctcatgatag gagctgatgt atccccgcac	420
	ttctcaagat gctctctaac agatactaag aagttcttcg ttgtgattga cctgtagtca	480
55	tggtagatct cagggtgcagt gaggagaaat tgaacatctc taaggcttat gttgcctact	540
	ggcttctcgc tattcctttc aatgacaggt atgcctccga ttctctttct cctcatcagc	600

5 ttgaatgcct gaagaactgg ttcacccctca tagatcttta tgatatggtc ctttgacata 660
 atgggaagac cgacttcaga gagagttttg attccccaat cctcaaacca gagaagcccc 720
 gcgcattcng ncagcatatg tataactcct gattgtgtga taatgttctc gatntttgct 780
 acacctaaat caaccaccgg nnngetcttc attttgtatt tnnnannnag taacagcatn 840
 nnnnaaaagg agttctcttt ctgcagagcc aggaacgggtg cccagcggaa tggtccagag 900
 10 atatctcgaa ccttgggtgtt cttgtatagc tctgaagaag taaggacctc aaagaagttt 960
 ccagaagtta ctgctgaatc tccgttatcc agaacatcgg tgggtgaaatc atg 1013

<210> 219

<211> 1013

15 <212> DNA

<213> Arabidopsis thaliana

<400> 219

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 gatgggtttt gaaatccaac aacataagaa aagaaataga ctcacaaact gagacaagca 180
 gcgagtctgt aaaagaaacg ggtcttgatg attcaaagca gttggacttt caagcagctt 240
 gctgggaagc aagtctcttc ctggcttcct caatgatggg cagcttaata cctttgccct 300
 ttggaagaga caccatggc tttgttcctt tgcgattgt gtacacattc cccaaccttg 360
 25 tggcaaacctc atgccctgtt gagtcttgaa tgtggattgt ctcaaagctt cccttatgct 420
 tttcacgggt cttaatcaca cccacacgcc ctctgtttct gcctccagtc accatcacaa 480
 cgttaccac gtcaaacttg atgaactcaa caatcttggt ctctcaagg tccagcttga 540
 tgggtgtcatt tggcttgatg agcgggtcag ggtaacggat ggtgcgacca tcataagtgt 600
 tcaggtatgg aattcccttc tgaccaaact ggatagatct aaccttgcaa agcttgaact 660
 30 ttgcttcctc atccttgatg gagtggagac ggaaacgtcc cttggtgtcg tagagaagac 720
 ggaagtcttc attggtcttg gggatggata caacatccat gaaaccagca gggtaagtct 780
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 cacggtaagt caaagcatc ttcaacctgt tcctgatgat caggacaaga ggaagacact 900
 cctcgactt gtgaggtcca gaagatggtt tgggagcgaa ggcaccacca agtttgtcaa 960
 35 gcatccaatg cttaggagca ttgagcctct ttagatgctt cttcaatcct ctt 1013

<210> 220

<211> 1012

<212> DNA

40 <213> Arabidopsis thaliana

<400> 220

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 tacaaataca ccccttaagc aaatctaatt aaagaagggg taattaaaca ataacaaaac 120
 45 aaaatacacg aaactgatat taaaggatg tttctaattga cgaatcacia tcattctctt 180
 cagggtttct tgtttggccc gtatgcatac ttaatcagag actccttgat agagagtagc 240
 tcagggaact ctttcttgag cttggaagca tccatctcgt tgttgcttct tggagccaca 300
 atgacttttag cttgctcctc taatgtgaag tttgccatt tgaattcagg gttgatgtag 360
 tctctgtaca tctctaggat ctctgtgtgg ctccaccacac ctgggtttgt gaagttccag 420
 50 attcctttca agtttctttt cgccatctcg atggagattg gtaataactc gtccaacaca 480
 gtcatgctgt ttgggatgtt cactactttg ttgtacctgg agatcttggg gatgaagttg 540
 cgcggttgt ttagatccga ggagatcggc atccttacc tcaatgtgca tacgttgtca 600
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 ttgggtgtgt cttcctcctt gaagccaatt cctgaacctt ccggatgctt gtcgtcatat 720
 55 tcgaatatac aaccagtagc gaaattcatc attaggagtc cgtgctctct gcagacatca 780
 gctagagtca atgtgccagc tacattggca cggatagtct cggctctgtg agactcacac 840

5 cagtcaacat tgggtctccc agtcacacca gcggaattga aaacatgggt tggcttaaca 900
 ctctgaatat cctgcagaag agaagatcga tcctccaacc gacctttccc atactcgtaa 960
 gcaattcctt gcttatcaca tatctttcca agcagaccac cgatccatcc gg 1012

<210> 221
 10 <211> 1011
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 15 <221> misc_feature
 <222> (1)...(1011)
 <223> n = A,T,C or G

<400> 221
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 atagtcagac aaggaatctt atcatgtttt ctccgattct ctttcccacc aatcaacctc 180
 gccggatttc caaccgccgt cgtacgcgcc ggcacatcct taaccaccac cgaccctgat 240
 ccaatcttag ctccctcacc gattgntata ttccccaata tacaactccc agtccaatc 300
 25 aacacaccat caccaatctt cggatgccga tcaccactct gtttccctgt tcctcccaag 360
 gtcactccgt gtagaatcga aacattgtct ccaaccaccg ccgtctctcc gatcaccacg 420
 cccgtcgcgt ggtctaaaag aatccctttt ccgatcttct ctccgggatg aatatcgacg 480
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 cagaggggat gagctattcg atgagcttga caagcgagga agcctttgaa gcccaagaag 600
 30 caatgaacgt agcttatata agctgggtct ctttctttga ctgctataag atcttgcttc 660
 gtggattcga tgatctcagg gctttcttct aaaacgctta tgaacagtcc gaagagtgtg 720
 ttgcttggtg ggttttaaatt gctgagcttt acggagagga tgtgagctaa agcagactct 780
 aaagatcgat gagatgtgat cgaagcgtag tagtagtttg ataaaatggg ttcttgttta 840
 acatcggatt tggcttcttc aagcatcttg atccagacat catcgatcat ttcgatttgg 900
 35 gtgtggtgaa tcttccgggt tacagagaaa ccgggtcgaa agaaattctt gatgcaacag 960
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<210> 222
 <211> 1011
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 45 <222> (1)...(1011)
 <223> n = A,T,C or G

<400> 222
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 cttcaagacc cgaaaactttt gggccgggtc gctcgtgtac cgggtttatcc ggttggtccg 180
 ttatgcagac cgatacaatc atccacgacc gatcaccggt tttttgattg gttaaactaa 240
 caaccaaacg agtcggttct ctacatttcc ttccggagtg gtggttctct aacgggtcaa 300
 cagttaaccg aattggcgtg ggggctcgag gagagccagc aacgggttat atgggtgggt 360
 55 cgaccgcccg ttgacggctc gtcttgcagt gattatttct cggctaaagg cgggtgaacc 420
 aaagacaaca cgccagagta tctaccnnnn nggttcgtga ctctgacttg cgatagaggt 480

5 ttcattgatcc catcatgggc accgcnnngct gaaatcctag cccannnnnn ngttgggtggg 540
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 atagcgtggc cgcttttcgc cgagcagaat atgaacgcgg cgttgcttag cgatgaactg 660
 ggaatctctg ttagagtggg tgatccaaag gaggcgattt ctaggtcgaa gattgaggcg 720
 atggtgagga aggttatggc tgaggacgaa ggtgaagaga tgagaaggaa agtgaagaag 780
 10 ttgagagaca cggcgggagat gtcacttagt attcacggtg gtggttcggc gcatgagtcg 840
 ctttgagagag tcacgaagga gtgtcaacgg tttttggaat gtgtcgggga cttgggacgt 900
 ggtgcttagt aatggttact gttttctagc tcttttagtg ttgaatttac ttgtcgtttc 960
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15 <210> 223
 <211> 1009
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 223
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 ttctccagcc gttcagaatc atcttaaacg ggtttatttg accttatgtt gtgctcttgt 180
 ggcgtctgcc tttggagctt acctccatgt gctctggaat atcggcggta ttcttacaac 240
 25 gattggatgt attggaacta tgatttggct cctttcatgt cctccttatg aacacccaaa 300
 aaggctttct cttctgtttg cgtctgctgt tcttgaagggt gcttctgttg gccccttgat 360
 caaagtggca attgatgttg acccaagcat ccttatcact gcgtttgttg gaactgcgat 420
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 30 ctttgggtggc tctgcatcta tctttaagtt tgagtgttac tttggacttt tgatctttgt 600
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 ctatgtaaaa cattcgttga cctttttcac tgactttgta gctgtgtttg ttcggattct 720
 catcataatg ttgaagaact cagcagataa agaagagaag aagaagaaaa ggagaaactg 780
 aggggatgta aagtaaatat aactttatgg ttgttatcgt gtgtggccac tttgaagata 840
 35 ttacttggtta gcaactctcta ttggtgacca gacatgtttc cactaaaaag gatctgcttg 900
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40 <210> 224
 <211> 1008
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(1008)
 <223> n = A,T,C or G

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 aaaagcatat aagaaagaag aagtgtgcaa caagacaaaa ggaattggta aacaagaaag 180
 ttcaaagtca actttttttg ggttcaacgt cacaaatacg caaagtaaac gactcatttg 240
 ctttgcctcta tcttggcctt cctcttctca ttgacaaaga agacgacaag agccacgacg 300
 55 gagaagacac tgaacagat ggaggcaata tctagggacg cgtggcggcc actgatagcc 360
 tgaacgctga agagattggt tttcttggca tcgtcgggtgc tctgtccata ggcaacttca 420

5	tggccaatgg catcaaccgc gtaggcacga acgaagtagg ttccgggtggg gatgtcacgc	480
	tcaagagtnn aagtagttga ttgaagtgtt ttgtcataag gcttggtctat gatcttgtgt	540
	gggcaggtct tgtctttgaa gagctcgtca tgggttttgc gccatgggtcg gtcaacttgg	600
	ctaggtggag cgtagcatag ctttaactttg atgatcttaa attcagcctc tcttttagac	660
	ccaatcgagc ttagcgtcca tgtaatgttc aacgtatcct tgccggcatc caaaacaaca	720
10	cctgggtcctt ctcggtctggg tttagtgggtg acatcaagtg cacctttgtc cagctctttg	780
	aagagtctta ctttttccgc cccgtggatg gattggatca gtgagcatat gagaagtgaa	840
	gcaaagagga tcttcttgat cgccatggat atatccttga aacctttcga agacttggga	900
	agattgtgtt cctctctctg cacaagtgtc tgtgttgtct ccgtccagct gagagatggc	960
	tcctaaacat gccaaaggat gagatatgag tatttgtttt atccggac	1008

15
 <210> 225
 <211> 1008
 <212> DNA
 <213> Arabidopsis thaliana

20
 <220>
 <221> misc_feature
 <222> (1)...(1008)
 <223> n = A,T,C or G

25	<400> 225	
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	ttcgctcagt ccagtcgaag cggtaggtaga ggaggaggat atgagagaga taacgatcga	180
30	cggagacctc agggtcgtgg cgacgggtgga ggcggaaagg atagaatcga tgcacttgga	240
	cgactcttga cgagaatatt gcgacatatg gctactgagc tgagattgaa catgagaggt	300
	gatggttttg ttaaagtgtga agatttactt aacctgaatt tgaaaacttc tgcaaatatt	360
	cagttaaaagt cacacacgat tgatgaaatt agagaggctg tgagaaggga caataagcaa	420
	cggtttagtc tcatcgatga gaatggagag ctcttgattc gcgctaacca aggccattcg	480
35	atcacgacgg ttgagtcaga gaagtactt aaaccaatac tgtcaccaga agnngctcca	540
	gtgtgtgtac atggaactta taggaagaat ttggaatcca tcttagcatc gggcttaaag	600
	cgtatgaata gaatgcatgt tcacttctct tgtggattac caacagatgg tgaagtgatt	660
	agtggcatga gaagaaatgt aaatgttatc atcttcctcg acatcaagaa agctcttgaa	720
	gatgggattg cgttctacat atcagacaac aaagtgattt tgactgaagg cattgatggg	780
40	gtattgcctg tctgattact ccagaagatc gactcttggc ctgatcggca atccatacct	840
	ttctgattca tataattcaa catcatgcga agattgacag gatcctatga caatgattgt	900
	gaggattctt ctgaaccttg attatgtaat gttgtctcag tgttttcaat tgcacatatg	960
	acaatttatg aaaactttca agattatggt gtttcctttg cccaaaga	1008

45
 <210> 226
 <211> 1007
 <212> DNA
 <213> Arabidopsis thaliana

50
 <220>
 <221> misc_feature
 <222> (1)...(1007)
 <223> n = A,T,C or G

55
 <400> 226

5	tatatgatgc	gcgctctaga	ggatgatttc	aaacaagttg	ttggtattag	ttggtatctt	60
	tggatctttg	tcgatcatctt	tttgctgcta	aatgttaacg	gatggcacac	atattttctgg	120
	atagcattta	ttccctttgc	tttgcttctt	gctgtgggaa	caaagttgga	gcatgtgatt	180
	gcacagttag	ctcatgaagt	tgcagagaaa	catgtagcca	ttgaaggaga	cttagtggtg	240
	aaaccctcag	atgagcattt	ctgggttcagc	aaacctcaaa	ttgttctcta	cttgatccat	300
10	tttatcctct	tccagaatgc	ttttgagatt	gcgtttttct	tttggatttg	ggttacatac	360
	ggcttcgact	cgtgcattat	gggacagggtg	agatacattg	ttccaagatt	ggttatcggg	420
	gtcttcattc	aagtgttttg	cagttacagt	acactgcctc	tttacgccat	cgtctcacag	480
	atgggaagta	gcttcaagaa	agctatatct	naggagaatg	tgcaggttgg	tcttgttggg	540
	tgggcacaga	aagtgaagaa	aaagagagac	ctaaaagctg	cagctagtaa	tggaaacgaa	600
15	ggaagctctc	aggctgggtc	tggtcctgat	tctggttctg	gttctgctcc	tgctgctggg	660
	cctggtgcag	gttttgcagg	aattcagctc	agcagagtaa	caagaaacaa	cgcaggggac	720
	acaaacaatg	agattacacc	tgatcataac	aactgagcag	agatattatc	ttttccattt	780
	agaggatcat	catcagattt	tagcttcaag	gtccgggttt	gtgggtttata	cataagttat	840
	agtgacttga	tttttttggt	ttgttacaaa	gttaccatct	ttggattaga	attgggaaat	900
20	tgaatctgtt	tgtatatgtt	attatttgga	acattgtgga	tgcccatgga	tatgtttctg	960
	ttcaattatt	ttggttttgg	gtaatgaaat	ttgaaaccaa	cgaaaaaa		1007

<210> 227

<211> 1006

25 <212> DNA

<213> Arabidopsis thaliana

<400> 227

	tttttttttt	ttgcagatgt	ttttgcttaa	gttgatcttt	acaggcttta	tcgcaattac	60
30	atggccttata	tcaatgactt	atcgagaagg	taaatatgta	caatgagaaa	gcaccacact	120
	atataaaaca	ttagccgttt	caaaaacactt	tcaatatgag	acagaaccga	gtccttctct	180
	gctacattct	tcataaaaga	aacttgtcac	aatagtttcc	acatcctgca	atccaactcc	240
	tacacaaagg	gtcttggatg	gtgtcctaac	tgaatcagtc	atcacagcat	cagtctcctt	300
	cacaactcta	acgtttgggc	catcacgaca	cttccccatg	cacttgcaag	ccacagcaga	360
35	tccttcgaaa	ccgctcatcg	ccctttgaaa	ctcatccaac	aacaaagctc	ctcctgatct	420
	cttacacttc	cctcccatac	acacttctac	tctattcaat	ggtaatccaa	ccactgaaac	480
	cgtctctacc	gtcttcaatg	tctgtccagg	attggccatt	gaaggaaaaa	ttgtggatgt	540
	ttgtagagca	atctgcaatg	cttactgggt	gttcttgcaa	gaaattgcat	cctcttggtat	600
	cctaggaagg	gttgctactg	tggtctctgg	ttgtaacggc	tcaagaaccg	gttttagcctt	660
40	gtttctttaa	gagctcatgt	ccacaacttt	gcctttatca	caatcactat	cacttgattc	720
	agacgaagaa	gatgattcag	agtccatttc	agtcattctc	ttcatggctt	tggtcttagc	780
	cttctcttct	ttcctctgtt	tcttcaatat	cttctcctct	gctttcaact	gctccagctg	840
	cttaaccaat	atctctgtag	cttccgagat	tgtcttggtc	tgaatctcac	caaccaaac	900
	agcttcagga	tcaagaccaa	accctatact	agagaacata	tccaagttct	tagaaagact	960
45	tttaagaact	ttcgcttctt	tcttcaacgc	cttcttctcc	ttctcc		1006

<210> 228

<211> 1004

<212> DNA

50 <213> Arabidopsis thaliana

<400> 228

	tttttttttt	tttttttttt	tttttttttt	ttgatagaat	caatcaacag	agataaatatc	60
	tccgaagaaa	tttgttat	ttt	agagaatgac	aagtgactta	acattacggt	120
55	aaaataccta	atcacgaact	gttacatcaa	atctaaagca	gaaccagaac	aaaatagaga	180
	acacacaaaa	ccaagtagaa	gcataacaag	cgagagagag	aacatttcatt	ggtaatccca	240

```

5  aacctaatta aaggaattac catcctccac caccaccgct tcctccgtaa cctcctcctt 300
   caccaccacc gtatcctcct cctccctcac gtcttcacc accgtagctt ccgccaccac 360
   cacctcttga ggagtaaccg ccgcgcgcgc cgctgtatcc tcctccaccc tcgcgtctac 420
   cgccgccacc tccgtagcta ccacctccac cggagtaacc tccaccaccg ccgctgcggt 480
   atccaccgcc accacctcca cgggtggcctc cgccgccacc gcttcctcgt gactgagcct 540
10 cgttaacagt gatgtacgg ccacgcgagat cttgtccgtt cattccctca atcgcaccc 600
   tcatggcttt ctcacccctg aaggtgacga atccgaatcc ccttgatctt ccagtctcac 660
   gatcgtaaat gatcgatttg ggaaaatata agtaacagta gtagtagtag tagtaacaaa 720
   gaacgagaat agtaacagag taatcgaatc aagtaacaga gaaacacaag atcggaacag 780
   atccgtcgag gatgagatca tcgatatac tcggagtccg atctcggcgt gtaacagacc 840
15 ttggaatcaa taacgtcgcc gtattgagcg aaggcagctc caagagctct gtcacagtg 900
   gcccatgcta gacctccaac gaagcaccga tactcaacat caccggacgc cattgaaatt 960
   tgaagaagaag atctaaggga ttacagttag agtcggacgc gtgg 1004

```

```

20 <210> 229
    <211> 1003
    <212> DNA
    <213> Arabidopsis thaliana

```

```

25 <220>
    <221> misc_feature
    <222> (1)...(1003)
    <223> n = A,T,C or G

```

```

30 <400> 229
    tttttttttt ttttttctaag taaccctttt taaaatttat cctataaata aaattttacag 60
    ttcatacaata caacaaaaaac aactcatgaa cctttggtaa acaagaagaa agaaaccgat 120
    gcaaataaag aaaacgaaaa tggagttttt aaaaattatt aaaacaacaa aagaaaaaaa 180
    aaagaagaag agttgttacg aggcgtgaaa gatgcgttgc ttcttgctac acaccaacga 240
    taacatctca gtatcggttca ctcttttgtt tcctacgacg tcgtttcttg aactctccgg 300
35 tgaaatgtta actccgaaca atctcaaaac ccgaccgcga tctaaatctg acccggtatct 360
    cgacttccac ccaatgtaca actgttgatc ctgaccgtta gatctactga aactaaccac 420
    gtcaccagca cgtagattct tctccttaac gaacctgctc caacctttag tcaaaacata 480
    actctgacta ctgttccaat acgagtaacg gaacctccac actttcccgt taacgtcctc 540
    aaagttcaac aacactcctt tcacggaaac gttacttgac ggtaacggaa aatgtttctc 600
40 tgcgtgatgt ttcggtataa ccaaacggtt tagcttccca acgtcgcttg gcgttacccg 660
    tttctcaaac agtgccctcc cggattttaa ctccgtcgta gaaacacccat cattactcaa 720
    ccccgacggt aacaacgtcc tagtcatgtt tccgttacca ttacgacgcc gtttactctg 780
    ctctaactct tcgtttataag tatgtttcct caacatatca acgatctcag atttcgaatg 840
    agaattcaag aaatcgacct cgtcttcgtc catcttcacg tctttgaaat ttgtgacggc 900
45 gtcacggcga cggaaacctgt gaannnnnnn nnnntaggca cgagcggctn nntcttcttc 960
    gttgaatgtc ccgagccaca cgcgctggtg tttctcgtaa atc 1003

```

```

50 <210> 230
    <211> 1002
    <212> DNA
    <213> Arabidopsis thaliana

```

```

55 <220>
    <221> misc_feature
    <222> (1)...(1002)
    <223> n = A,T,C or G

```

5

```

<400> 230
ccacgcgtcc gactactaac cagcaaatgg gtcttaacgt tataacagaa ctgatcatcg      60
gggtacttata cccaggaaag ccactagcca atgtcgcttt caagacatac ggatacatca      120
gtatgtctca agccttgtac tttgtaggag acttcaagct tggtcactac atgaagattc      180
10 ctccaagatc aatgttcacg gtccagcttg ttgcaactgt ggttgcacat actgtctgct      240
tcggaacaac ctggtggctc attacatccg tcgagaacat atgtaatgtc gatttgcctc      300
cggtgggtag tccatggact tgtcctggag atgaagtgtt ctacaatgca tcaatcatat      360
ggggagtgat tgggtccagg agaatgttta ccaaagaagg tatctatccc gggatgaact      420
ggttcttcct tatcggtctc ctcgctccag ttcccttctg gtacctatcg aagaagttcc      480
15 cagagaagaa atggctaaaa cagatccatg ttcccttgat cttctctgca gtaagcgcca      540
tgccacaagc taaggctgtg cattactggg cctnnnnnnn nnnnnngnnt gtgttcaact      600
actacatctt caggagggtt aaaacttggg gggcgaggca caattacatc ctctctgcgg      660
cgcttgatgc aggtactgcg attatgggag tgttgatatt cttcgcattc cagaacaatg      720
atataagctt acctgattgg tgggggcttg agaattcaga ccattgccct ctagcgcatt      780
20 gccctctagc caaagggtgt gttgttgaag gttgtcccgt gttttaagaa ttgaagtaga      840
tgcaacgttg tcctgaaagg ggtaactgtt gatggcttcg gtaaccttat atctgtgtaa      900
aaccctccaa gttaagggac tcaacaatg taaagcacta gatttgggtt catgttcttc      960
agtatttaac tattcccttt gtaagtataa gaacagtagc ca      1002

```

25

```

<210> 231
<211> 1002
<212> DNA
<213> Arabidopsis thaliana

```

30

```

<220>
<221> misc_feature
<222> (1)...(1002)
<223> n = A,T,C or G

```

35

```

<400> 231
attattgttt tgtaataatc gtgagaagaa actttagggt ttcactgttt cagagttttg      60
attggtgaat tataaaagat gcagcaatct ccacagatga ttccgatggg tcttccttca      120
tttccgcccc ccaataatat caccaccgaa cagatccaaa agtatcttga tgagaacaag      180
aagctgataa tggcgatctt ggaaaatcag aacctcggtg aacttgcaga atgtgctcag      240
40 tatcaagctc ttctccagaa gaatttgatg tatctcgctg caattgcgga tgctcaacct      300
cagccaccag cagctacact aacatcagga gccatgactc cccaagcaat ggctcctaatt      360
ccgtcatcaa tgcagccacc accaagctac ttcatgcagc aacatcaagc tgtgggaatg      420
gctcaacaaa tacctccttg gattttccct cctagagggt cattgcaatt tnntngcccg      480
catcagtttc tggatccgca gcaacagtta catcaacaag ctatgcannn ncacatgggg      540
45 attagaccaa tgggtttgaa taataacaac ggactgcaac atcaaatgca ccaccatgaa      600
actgctcttn nngcaacaaa tgcgggtcct aacgatgcta gtggaggagg taaaccggat      660
gggaccaata tgagccagag tggagctgat gggcaagggt gctcagccgc tagacatggc      720
ggtggtgatg caaaaactga aggaaaatga aatagaggaa gaataagtga tgcttcttgt      780
tgatatcaat taggttctac ctttcatttt tactttcttc acgatgatat aaaaaaaagg      840
50 ttttgcatt ttatgagtta gtctctgtta aaagggttct gagacagttg agtttcagtt      900
cctagatgga tgtggaatgg ttcacattca catgtacaat gttaaagtgt gttgtatggg      960
attagtgtca ccggttcaat ttggtgtaaa aaaaaaaaaa aa      1002

```

55

```

<210> 232
<211> 1002
<212> DNA

```


5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1002)

10 <223> n = A,T,C or G

<400> 232

ttttttttaca	aagtcagaca	tatatataaa	caactatgtc	ttttagaaac	cctaacaacc	60
agaaagcaca	ataagtcaat	aacagaggat	aatctaaacc	taaactaaca	aaggtcaggg	120
15 caaaaaatgt	catttattca	taatgaaaac	tctctcctac	tctgtaacct	agatctttca	180
ctcaattttct	cttaatctcc	tgtacaggta	gcactatcct	attacattaa	tcccaagcta	240
ggagtctgggt	tcacccggtt	ttgttgcttc	atccttcacc	atgggtccgg	taatgtcctt	300
ctcaagcatt	gccttttggc	gccccacggg	cgcttcgacg	tttctttcag	ctcattcttc	360
tgcattttcca	ccatttcagc	ctgttttttc	tgcagttctt	gattcgtttt	cttgagcttt	420
20 tcaatttcgg	cttccagttc	caatgtataa	gcctgctttc	gagctcttga	tctagcagct	480
gattccccgat	tcttgatcat	tctcctttgc	ctcctctcga	taaccttctc	tagacctgta	540
ttgcttcttc	gtcctcgatt	aagcacatac	ggaactgggtg	ataaagaatt	atcttctgcg	600
ctgcttggtc	ctggagaagt	tgtctgcaaca	gtgaccccg	ttcctccgta	actagcta	660
ccattattat	tgttgataga	attatttgca	gccccagcaa	aaccttgggt	ggttatat	720
25 acaggcgcag	aaaatgctac	gtttgcttgt	ttaggaaaaa	tggtttgagg	cagccgctgc	780
tgtggatgag	gctgattcag	ctgctgcac	tgtctgtgtt	gctgctgaag	caactgctgt	840
tgttggtgtt	gctgctgcat	tgttccaccc	atcttgagcc	ctaaaccagg	tggctgattc	900
aagatcatag	aatcattagt	accatnnnn	nnntgctgt	tttgatttgg	ctgaccaaat	960
ccaaaaccta	aaccgccagc	agcagtgtct	ttaccataaa	ac		1002

30

<210> 233

<211> 1001

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(1001)

<223> n = A,T,C or G

40

<400> 233

tgcttccatt	aaagcttgct	cgatctcttc	ttctccacga	gactctcaat	ctcactcata	60
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gctcctacaa	gcaatcaaaa	accgatcga	gatccgataa	caacaagacg	agaaattcga	180
45 aaacccatt	gctatacttc	gttccaacac	gagaattgat	ctcagataca	taccgattag	240
caacaatcgg	gagagatcta	ggtatggata	tgtacccaac	accatcactc	tctcacatca	300
tcttctcatt	cccatcgcca	gaatcaaaa	cgccgtcacc	tttctcttct	tcacgcac	360
cttcgacatg	gtcgtcttct	gcttcgctat	cgctcgtctc	ctcgtgggtc	cttcctaacg	420
acgcgcgaat	gctctccttc	cgtctctctc	ctgcctcctc	gctctctcat	ctccgatcct	480
50 tgcgtctccct	ctccaacggg	ctcttcaaac	tgcgtctctc	cgcaaccacc	gtagaaacat	540
ctnnctcnnn	nnnnngatct	ggttagcaact	gggactgctg	ctccggttca	ctcttctcaa	600
aaatcgccaa	caagcgaatc	ggatcgatgg	agagtttttc	gaatgcattg	gcttcaaaag	660
gatggacaat	ttacaaaacg	aaagagaatc	cgacgcgcga	atctactacc	aacggagtga	720
gctcagtgtg	tctgttttag	aaagtgtata	ctggctcgat	catgaccgga	gaaggaaacg	780
55 ggtcgtgtag	agtaagagag	ctgagacttc	ctcaattgga	tttcaggaac	gcacctctac	840
ggattctgca	atatttgatg	ttgatgactg	acgatataat	tttcttgcg	taaatttgaa	900

5 actttttttt tttgtttgtn ntaatctgtt tttgatttgt ttctttaatg taatcatctg 960
 atttaciaag attggatctc tttggcctgt aaaaaaaaaa a 1001

<210> 234
 <211> 1001

10 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 15 <222> (1)...(1001)
 <223> n = A,T,C or G

<400> 234
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 20 tcaaccactg ctctaagccg ttcgatttcc gccgccgcaa gaaactcatc ctctctctcc 120
 gccgcggtaa cgactcctga agaagatatg cctttgcttc ccgatgactc ggagacttgc 180
 gttgacggat tagggaaatc tctgaggcag agagggattg agctcactag accgaacgag 240
 acttgcgacg tctgtttactg ttactgtgga atcagattgc atccgttgag ctgttccgag 300
 gcttttagag tgaatgatga agggagactc gttggagacg agagagttga tagattagag 360
 25 actgattggt tgagtggaa ggcacaacaat gctgatggat tctcacctct tcttgnnngc 420
 aacnnnnnct tgaacantct ctataagcta aatccgaaga aaacttcagg gacaagaaac 480
 ccatcaaagg aagaccnaaa cagaacagca aagatgcaca acaaagactg tgcctctcatg 540
 ggtctcactt ggcttctcgc taagaaccgt actgcttatt tccccactgt cacttctgtc 600
 ctccgagccg tcatgctgaa ccacgatggc gtgccacgtt catgtgctct cggcagcgac 660
 30 ggcatgcctt tagccgtcga ttcttccgaa ttctccaacg gctcgccaac ttcacttcag 720
 tatccgcacc acttgggtcca cttcttactt tacagcggtta tcacattagt cctaataagg 780
 tctgtgtgac gtggcacacc atggttggat ttgattgtga cgtggagcac gtggcattac 840
 gtggttgggt gagagaagt aaattcagat agagagaaaag agagagggct ttggttctgt 900
 ctttgtaaatt tagttttttg gtgtcgttgt tgttttagta gccatgttct ttaacatttt 960
 35 attacatcaa aaaaatcttg ttgtattttg tcaaaaaaaaa a 1001

<210> 235
 <211> 999
 <212> DNA

40 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(999)
 45 <223> n = A,T,C or G

<400> 235
 aacaaagcta aaacattaat attgtaatat gaaatgcata gtctgaaaca accaccaact 60
 aactttataa gttttacattt aaactttnnn nttttgttac gttttgttgc cactagtacc 120
 50 atcattactt gcatttattc tgcactaacg gtactaatcg aatttggttct gtttctttac 180
 ttccacacca tttgttttct ttaacaattt tatacattac atatccataa atggaaaaca 240
 aaaaaatatc ttcacttcac atgcctccaa tgaatcctct ctcatctct tagcataact 300
 aattcaatca ttgtcatcta caaagtcaca cagagagaat tggttaaactg taaagccaca 360
 attataaaca taagtgtaaa gagcaaaacc ggtggtataa accggacaat agatttgctt 420
 55 cacaaacccc aacaaaacaa aattaggtca ctgagatttg actgttacct ttaaggaatt 480
 tcaatctcat catogaagcc tatccacaat aaaaccaatc gtcgaatcaa atcttaatta 540

5 gattgctgta acgatcaata aatctagaac taatcacatc aacaatctct aacatttttaa 600
aacctagatc ttaaattcaa gagtcctcat actcctacat ctacaaatcc taaaatttcg 660
aaacaaaggc aacatcactt ggcttttaaaa tcaagaccaaa agcaaagatt caacatttgg 720
gcaaacaaaa ggagactaaa gaacattcaa atataaaaaag ggataaaaaat cagatatata 780
atatttctaaa acaaacaatt tcagattcaa agatataaaaa aacctttttc taggttatat 840
10 caaaaaataaaa aagcataaga aaacgaatat aaagaaggag aagcgtagaa atcttccaga 900
tctgatagga tttacgagtt tttttacacc tcgaggatcc gattcagttg atgcaaggcg 960
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<210> 236

15 <211> 999

<212> DNA

<213> Arabidopsis thaliana

<400> 236

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gaagctttga cagatctacc aaacttaaga aaggccacga acttttccag tttcagtgtc 180
aatatcaatc tcgtagaaac aaggtcttgt aggaagtcca ggcattgtac tcattgtacc 240
aaccagtgga tatatgaaac cagctccaat gcttcctctt acatccctaa ttggcaatac 300
25 aaacctgaa ggtgctcctt tctttgatgc atcatgtgag aatgagtact gtgttttcga 360
catgcatatg ggaagattcg agaagccttg ttgtgtgtac atctcaatct gtttctctgc 420
ctggtctgaa tattcaacac cactggtctc atatgactta gctattgect caattttgtc 480
tttgatacca atgtccaatg ggtagagaaa cctgaggggc tgtgtaatgt tttgacaagc 540
tttttcaacc gcgataccaa gatccaccgc tcctttacca ctatgagcat ggtgggagca 600
30 gaccacagca tcaaaagcac cggcatccat tgaaaatttc ctaactgcat ttagtctctg 660
ttcgggtatct gttgcgaaca tattcacagc aacaattaca ttcacaccgt aggcctttgt 720
gtttgagatg tgctttgcca gattcacaca gccagcttca actaaggaaa cattctcgct 780
tacataagca cgatcaagag gtctcccgcc aacaacatca ggcccacctc catgcatttt 840
caaagcccta acagtcgcca caacaattgc aactgagggc gttagccac tgtaacggca 900
35 cttaatatct atgaacttct ctgttccaat atcagaacca aaaccgcctt cagttaccac 960
aaatccacca ggtcccacca gtttcaaagc gattttatc 999

<210> 237

<211> 999

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(999)

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<400> 237

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gatgaaatgt gttttttttc tttcttttta atagttcaca agcaacacat gcattctatga 180
gaagatcaat atacaaatta caactttttt ttgtataatc tcgtctcttt caattttaa 240
tgtgaaatct ttctttaaca agcagagcca gcttctacca gcttgcttaa tttgttggtc 300
cttaatcttt ctctgtaaac ttcaattccg tgcattctcat tctcatacct cgggtggcata 360
55 ggaatcaaag gagacaaact ctccactagc ttgagagctt cttcttctgt gttgacgatt 420
tggttgaagc agaagtatcg accgcaagct gaaacatcct cgaatgctct aatatgaacg 480

5 tccgctagaa acttaacgct tacataagct aacacacccat tctcatacat ttgtgcagct 540
cctttaaggt atgacatggt gggcctagcg ttgtgtttgtg cgacagatgg tccgacgaca 600
agaccagggt tgatagagac catgttgagc ctacgggtcca tggctaatagc ccaagctgct 660
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tcaactccaac acttctcatc aacatccttt tgagttccaa tgttgtctct ccaaattgaa 780
10 gctgttaatg aagaagaaaa cacaatcttc tctatactct ctgttcttcc acacgcttcc 840
accacattga tcgtctctct cacttccaaa tccacctcct tctcccttca gggctgtcta 900
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catctacatc gtacaccact aatctctccg gacgcgtgg 999

15 <210> 238
<211> 998
<212> DNA
<213> Arabidopsis thaliana

20 <400> 238
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ttcgtgagat taactttcct tctatggaag tttctgaaca gccttctgag agttcttctc 180
aggacagtac taaaactgat ggcaagatag ctgtgtcagc ttctcctgct gttcctagga 240
25 agaagcctgt tgggtgttagg caaaggaaat gggggaaatg ggctgctgag attagagatc 300
ctattaagaa aactaggact tgggtgggta cttttgatac tcttgaagaa gctgctaaag 360
cttatgatgc taagaagctt gagtttgatg ctattgttgc tggaaatgtg tccactacta 420
aacgtgatgt ttcttcatct gagactagcc aatgctctcg ttcttcacct gttgttctcg 480
ttgagcaaga tgacacttct gcatcagctc tcaactgtgt caacaaccct gatgacgtct 540
30 cgaccgttgc tccaactgct ccaactccaa atgttctctg tgggtgaaac aaggaaacgt 600
tgttcgattt cgactttact aatctacaga tccctgattt tgggttcttg gcagaggagc 660
aacaagacct agacttcgat tgtttcctcg cggatgatca gtttgatgat ttcggcttgc 720
ttgatgacat tcaaggattc gaagataacg gtccaagtgc gttaccagat ttcgactttg 780
cggatgttga agatcttcag ctagctgact ctagtttcgg tttccttgat caacttgctc 840
35 ctatcaacat ctcttgccca ttaaaaagtt ttgcagcttc ataggatctt gcttagtaat 900
gttaagtgtg aagagtgttt tgttttttcg tttatgcttt agtaatttaa gacatacaaa 960
agtgtgtgtt ccggattgta gtaagatctt aagacata 998

<210> 239
40 <211> 997
<212> DNA
<213> Arabidopsis thaliana

<400> 239
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agaacaacga aacggcccca aaatcagaaa caatcgatatg aagacaaaag tagtgtgctg 120
atacataagt cgaaagacca tgtcagaatc gggcacatcc gggtcttatt ccgcttcac 180
agtgagattt ctggatacca atgaggcggg cataatccac ccataataag gaaccaaga 240
atgtgttgcc tgttctaact gcaaagcaca acgcactgag tgcaagtttg tgttgggtgta 300
50 gcattggctc caggagacgt tgttcaatca caccagccac tatttggtac cttagggttg 360
tagaaactgc catgtagaca ccatatgcaa cacttgtgga gactatcgga acagtttcca 420
cttcaccttc agaattctgg tccacagctt ttcgtgcttt tatgaatgca tttgtaatag 480
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tagcacctag cctttgcaag agagtatatg aggttccgga gagagcaacc tgggaaggcat 600
55 tgtctgggca gttgtggaaa aacttgata tacctccagc agtaagtgcg agaggtggc 660
gaagagaaac ggtaggagca ggaagataaa ccaacatgaa atcagcaata atagccatcg 720

5 ccacatcggc aaagacaact tcaagttcat tgaagaagtt ttctctacgc cgttcataact 780
cagcagcagt cttgggtgaag attccaacac cacattccat ggcgagttta gccatgaaga 840
gatcatcagc caacaatctt tccctaaacc caccaaaactg catcagccac cgcacacag 900
ccgatttctg aagctccagg aaccgagtga taaccgatcc aggaatccga cccgcctcaa 960
tagcagccgc tagatctttg ggaagactcc ggacgcg 997

10 <210> 240
<211> 997
<212> DNA
<213> Arabidopsis thaliana

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attcaattgg gtaacgagtt ggtggagaga aggattgatt tggatcacgc aggtggtagc 180
20 gtggggctta tgggtctcgt ctctcaagct gttcatcatg gtggtcgcca tgttctaggg 240
gtcattccaa aaaccttgat gccaaagagag ataaccgggtg agaccatcgg agaagttaaa 300
gccgtggccg atatgcatca aaggaaagct gaaatggctc gccaaagccga cgcattcatt 360
gcccttcctg gtgggtatgg tacgttagaa gaattgctgg aagtcattac atgggctcaa 420
ctcggtatcc accgtaagcc ggtgggtctt cttaacgtgg atggttacta caactcgtg 480
25 ttaacgttta ttgataaggc tgtggacgaa ggatttataat cccaatggc tcgtcgaatc 540
atcgtctcag ctccaaacgc taaagagttg gttcgacaac tcgaggaata tgaaccggag 600
tttgatgaga taacatcaaa attggtttgg gatgaagtgg accggataag ttatgtaccg 660
ggttcggagg tagctaccgc tacgtaagga tgtattatgg ggagtttatt ttttggtaaa 720
agcagtgtac agcggaaatt aagttgttta acatcagaag gtaagggcgg aaagaagaca 780
30 aaagaaagta ttggggctgt tttgataaac attattttgt aggggtggtt taaatgtgtg 840
aagtggataa accatgtggg taactgctaa ccgcgtatat accaaaccct atcactcccc 900
acttgtcttt gtacattttg gtttaattgga aaaaaaggat agggctattt tcaagaaatg 960
acaaaacgat ctttttcttt tggttaaaaa aaaaaaa 997

35 <210> 241
<211> 996
<212> DNA
<213> Arabidopsis thaliana

40 <400> 241
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atccagaacc gatatagggg ttcaataaca aaaacgaaca cacatgaacg aaacaataaa 180
agagatatta cgaagaaaaa aattcaggat aaggggaaag aagaaagtga atgctgcttg 240
45 cttacacacg ttacgaatcc gagggagcca ttgacaacat cttaagtctc gtactcctct 300
tcttcctcct cgtactcttc ctctccggct gtagcatctt ggtactgctg gtactctgcg 360
acaagatcat tcatgttact ctctgcttca gtgaactcca tctcgtccat gccttctcct 420
gtgtaccaat gaaggaaagc ctttctcctg aacatagctg tgaactgttc gtcacacgc 480
ctaaacatct cctggattga ggttgagttt ccaatgaaag tagacgcat tttcaaacc 540
50 tttgggtgcaa tatcacagac actggacttg acgttggttg ggatccattc cacaaagtag 600
gatgagttct tgttctgaat gttcatcatc tgctcgtcaa cctctttggg gtcagcttt 660
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atgttctttg catcccacat ctgctgggtc agttcaggaa cactcaaggc actgtattgc 780
tgtgatcctc tcgatgtcaa tgggtgcgaa ccaaccatga agaagtgaag ccttgggaaat 840
55 gggataaggt tcacagcgag tttcctaagg tcagagttaa gctgaccagg gaaacgaaga 900

5 cagcaagtaa caccactcat tgtagcagag atgagatggt taagatcacc aaaggtagga 960
ttagcgagct tgagggtacg gaaacagata tcgtag 996

<210> 242

<211> 995

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 242

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	tatgtatatc	tatatgatcg	cacaagggca	aaacgaacat	aaccaatacg	acaaaactaa	180
	gtggaaatgt	ggagacccaa	cacttaaagt	gtgtgnggaa	gaaacaaaat	agatgtatgc	240
	taattatgta	gtagactaac	caaacaaagc	gccacacctt	caaactttca	agccagggga	300
	tagtaatgat	gctagtcca	gcgatcatca	aacacaactt	ccttatcaca	tattgggcat	360
25	ctatcgcttc	tttcaatcca	ctccagaaga	caagagaggt	gaaattcgtg	ctcacacttt	420
	gtcgttagtc	ttggattctc	aacatcataa	tcttcaaagc	aaataggaca	acattcctcc	480
	tcttcatcaa	ccaatatctt	caatccttga	tgtttcgaga	aatctgattt	cctcggtgaa	540
	agaatgactg	agcngmntag	agttttacag	tctgattccc	caagatcttc	acatgtcgtc	600
	agcgtttcaa	aactgcttcc	actcatcctt	cctttgatgg	actcagaatc	tgtgcattgt	660
30	ggtcgcccc	aaagcaaadc	atatggaaga	ggagcaggag	cacaaaaggt	gtcaggtata	720
	gatgtctcca	aacctatadc	aaccaagagg	cctgtggtga	atgctgatcc	cacaccagca	780
	cgggttcctg	aagggacaag	ctcttcaaaa	gattctggac	aataatagta	aacagggtgt	840
	ccaacaagat	gtgacttcct	cgaagaacta	cagcaacctc	ccattttcac	cagctatagt	900
	aataattaag	caagagtagc	gaacaacagt	ccttgaagca	ttttactgat	gcattgccac	960
35	tgagatgtcg	ccggagaatt	tgatgttgtc	gtgat			995

<210> 243

<211> 995

<212> DNA

40 <213> Arabidopsis thaliana

<400> 243

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	aagagaaaaa	agaagccga	gttcatataa	ataaatagac	ttaacaacat	caacgatcac	120
45	tcctttattg	agagaccaac	taacataaaa	cgtaaagtgc	aatgactgac	tcattggaagt	180
	tggatgagag	atagatccat	ctatttagtt	taccaacctg	gattcataat	gcatcaaagg	240
	agctcaagaa	ctagagcaga	agcacctcct	cctccgttgc	acactcctcc	cacaccgtac	300
	tttccgtttc	tcttctttag	tatcccaagc	aacgtgatta	gaatacgggc	gccactgcag	360
	cctagagggg	gtccctaagga	gacagctcct	ccattttacgt	tcactttctc	tggagcaatc	420
50	ccgagttagt	tttgatttgc	aagtgtctaca	actgcaaatg	cttcattgat	ctcatagtaa	480
	tcaacttgag	aagattccaa	accagcatgt	gcaatggctt	ttggtatagc	aagagcagga	540
	gcagtagtga	aaaactctgg	ttcctgagct	gcgtcaccat	accctttaat	ttttgctaata	600
	actagaagtc	ctagctgaag	agccttctct	ccgctcacta	ggacaagggc	agctgcacca	660
	tcacttatgc	tagacgcatt	tccagctgta	acagtccttc	cattctcttt	gaaactagga	720
55	cggagtttcc	tcaattttgc	agcatcaaac	ttcccaagac	cttcgtcctt	gtcaacaatg	780
	gttgatggcc	tacctcttcc	tccagaaact	tcaaccggga	cgatttccca	tgtgaaggcg	840

5 ccagcttcct gggcagcaat accacgctca aaactctgaa ctgcatagtc atcttgctgc 900
 tcccttgtaa tctgaaactt ctcagcgcac aattctgcac agcttcccat cccacagtcg 960
 ttatagacat cccatagtc atccttcaac attcc 995

<210> 244

10 <211> 995

<212> DNA

<213> Arabidopsis thaliana

<400> 244

15 tttttttttt tttttttttt tttttttttt tttttttttt tttttttgat aacaaaaaca 60
 aacatcatat ctttcataaa gagatcagag ttttttggtt tattctcttg ctaagtaagc 120
 gcaagaagag aagcagcaca aggccttagt tttgacaagt taaacaacga aacaacacaa 180
 aacatcaaac acaacaacaa caacaataac aacgaggact gcatatttac actgatctgg 240
 aagcttttca gattcagcag cacaagacca gacgacacaa cagggaactc ttttctttcc 300
 20 attattcaag atctagtaac ctccctgaat atacgcattt aggcgttgaa gctcctctct 360
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 gtctttgatt accggaatat gcctgattcg gttatctgtc atcagttgca tagcacgcaa 480
 gaccttggtc tccggtgtca cagtgcataa cttattctct tcagtcataa tgtctccaac 540
 ttttgttgat ttggatgac tcccttgcac aatgatcttc cgtagataat ctctctctgt 600
 25 aatgatacca gcaagagctt gttgctcacc aggtttcaca accaccaagg caccaacatt 660
 gtgttggtgc atggatttaa cagcatcata aacagtgctc tcagtagtac accaaagcca 720
 agatccatca gcacttttgc ctttggattt catgacatcg gaaatagttg tgctctcgaa 780
 tccagattcc tccatacgtg cagggttagt tgattcatag cgtgaacaaa acacagaagg 840
 ctgaatcgcc ggggttaatca caggagatg ttgcagcaca gaccccttca caacatttcc 900
 30 accggagacg aaggatcgaa tcacaccttg catctttcaa ctgagattag agaagaagaa 960
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<210> 245

<211> 994

35 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(994)

<223> n = A,T,C or G

<400> 245

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 atatacttgt tgggtcccttc actgggactg gtcctgggtg tcagagacgg cctcatagtg 180
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 ggatattgagt ttaggagatg gtctccaacg agttgagagg ccagttggat cagctccacc 360
 50 tgggaattctg agagctttga gtcttctttt gctcccatg gcctcagcga tagtttccact 420
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 aatgtannag cccatgcac tctctttgta aggaagttag acttttaggt gaagagtttc 540
 ttcaccgttg caggataga agaatgctca aattgtgaat gtggtggttg accttcaggt 600
 tcatgtatca cagtgcctt ctcaatccag ggggagatca gaaaggtagg gacccgaaca 660
 55 cccaatcggc caaacccaaa gtaaacggga tcaggtccaa tgataccatc aggggttaggc 720
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5 agcaaagcca tctctttcca ctgtggacta ctccgtaacg tctcataaac ttccttaaca 840
aaccgttgac cgcgcgccac gtcacgacgac ggatgatcat cattagccgg aaaaagatcg 900
atatcgaaat atctctgttc cagcacagaa taattcggaa gcttcccaag cttagcgctg 960
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10 <210> 246
<211> 994
<212> DNA
<213> Arabidopsis thaliana

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cttactcaat cagaggaagt tgttgaggag ctttctattc aacagactaa atacgaccat 180
cggagtctgc cttctttgag aactgccgaa gccgaggctg ctgagtggaa tgagtggag 240
20 agatggggga accaagagtt gcagcataat ggcactcgca ttagaggaat tataacttac 300
aaatcagggga acttgcccgg tgttttgtca ttctctgtaa tagagattct catgatgggt 360
gtggcttcgt ttgttccaaa cttcttgact ggtcttttca ctggagctgg ccttattgga 420
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cgtttctcga tttcctacac gatttcttac atgatttttg gatcttgggc catcaagcta 540
25 gggcacaaca acaattttct cgggcctcta tcaccggacg agccgaaaat gacaggagaa 600
gaaatgaata tgaatgaatt tggagtaaag gtgacgcatt caggatgggt gggcttccct 660
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ctttcataat atcagcatta tcatctatga gatctgggta tctatttaag atcagcattg 840
30 tcattgttgg aataagtttt ctttaccaa ctctaaaccc aaatgttcca ctattgaaac 900
ttttttttgt ttttctcct gttttttagc aacaaaatgt agggatatct gtttttttct 960
tgtgatgact gtgaataaag aagaaaagag attt 994

<210> 247
35 <211> 994
<212> DNA
<213> Arabidopsis thaliana

<400> 247
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tcacaaatta aactcacttt ccggggacga agttggtagc gaaggcccat gcattgttgt 180
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45 ccttcaactc cgcgaaagcc tcgggggtcag tagcgaggcc caatgggtcg aagctcccac 360
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caacagctcc catgaggata acttgagtag cccaaatggc taagatgctc tgagcgtgga 480
ccaagctcgg gttgcccagg tagtccaatc ctccgtcgtc gaagatctgt gaaccagcct 540
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50 agcctagggc tccgagcatg gccatctgac tgtggataac ctctagctca cgggttcctag 660
cgaaggtctc gggatcggcg gatagaccgg cagtgtccca cccgtaatca ccgggggaact 720
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atccgtacca tgggctgccg gatggaccgg tgggcttggg ggctttgcgc atggtgattc 840
ggccggttcc aaatacttcg gaggccgcgg gggatagctt aacggccttt ccggtcaaag 900
55 caggagagga gagagccatt gtcgaggcgg ccattgcggt gagagtgtgg cgcaagtaaa 960
aggctcttta gttaataaga gttctagatc gcga 994

5
 <210> 248
 <211> 994
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1) ... (994)
 <223> n = A,T,C or G

15
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 20 tccatagaca tcatattgac atgggtcacgt gggattcatc gattatgagt ttactcatc 240
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 25 tgtaaacgga ggaatcagag aacgtggacg aagaacacgt cagattaacg ttaccatcaa 540
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35
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 <213> Arabidopsis thaliana

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 55 agtcccaaaa cgttgtgtga tgcccaatca tctttaaata aggacattgc tcttagaact 900

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<211> 992

10 <212> DNA

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15 <222> (1)...(992)

<223> n = A,T,C or G

<400> 250

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	gagtgaagac	ttgtttgttg	aacaaagcct	tcattccatat	cgctttttct	ttgacgctgg	180
	tttggtttgg	tgccaaattc	taaaacgcca	tccgcccagc	aagcctactc	tctgagattc	240
	gtctgtctat	cgctgcattt	atcgagttca	tctggctggg	ttcatcgtgc	actttgtatt	300
	ttggtaagga	cattcttctt	tcctccatag	acatcgcttc	atcatcccat	acaagataga	360
25	cctcattagg	ctgattgcta	ggagctttgt	ttgcaattac	aggaggtgga	ccaattgaag	420
	gacngctagt	gtttgggcca	nnggcataag	aatgagcatt	agtcccacct	ggaatagaat	480
	tgtaggcgg	ataagcatct	gctgatccta	aagcatctgc	atgagatggg	tgctgagccc	540
	caccaacagg	cagaggagca	gaaaatggtg	gagcttgaga	aggaatgctg	ttattcacia	600
	cagggaaacag	aggttgagga	actggcattg	caggatgatga	tgtaggaatt	ccaggaggag	660
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	ccatattttg	aacaggaaaa	agtggttggt	gtcgataccc	taaatgggca	gctggaggtg	780
	cagaaagagc	tggaatttga	ggataccatt	ggtgcggacg	aggaggtggc	atttgccata	840
	caggagcagg	atgacgcata	ggaggacccg	gataatacat	tggtcgtgca	ggtacagcac	900
	cagggtacttg	ttgaggcgga	tataccattc	catatggtct	aggaactaca	ccaccaagag	960
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40 <213> Arabidopsis thaliana

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45 <223> n = A,T,C or G

<400> 251

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	tagttatcac	gaccagcaga	atctggacaa	gctggggaag	ctgtggtgaa	gatgggttgg	240
	ttggagtaac	cagcatagac	gcaatcacga	ggttgctctg	aagaggcggt	aagcaaagct	300
	ccatcacatt	gtgaaaatgg	tgggcagggt	tgccngttcg	aaggcttaat	ctcagatgat	360
	gattgacagc	ttaaagtcca	attcttcaaa	gcgtcacaa	tacacttgac	gcaattgttt	420
55	gcagtgaaga	cgtatgagtt	gttagacaga	agcagaggag	catccaacga	gtccttcctc	480
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5 tcaccaatga ttccattgag ctgagccaac gtcgtgttgt ccgttccaaa ctgagcagcg 600
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15 <211> 991

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<220>

20 <221> misc_feature

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<223> n = A,T,C or G

<400> 252

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 gactacactg atgaagcagc aaagctcggg gtttcgtatt tttcagatct tgatgatcta 180
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45 <212> DNA

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50 <222> (1)...(991)

<223> n = A,T,C or G

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 aaaatcacga gtcaacgaat ccaattttctg atccacgaga tcgtgaatta gaagctcttc 180

5 gtcaagagaa tcgtcgtctc aggactttgc ttgaatcgaa tcttaaactc tttgagactc 240
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cgatggttac ttcaagagat ttcttggcta gattagagaa tctaagacaa gctttatcta 360
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aagttcttat agagatggat catcaagagc caagtgggtg ggtttttagtt actgatgata 480
10 tggttcctag taatgtcgag gaacaaagcg cgatcgataa cgaacattac attgttgtga 540
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20 <210> 254
<211> 991
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25 <220>
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<223> n = A,T,C or G

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35 aaatacgaga ccaatcctgc tttgtatggt gagctcgcca aagggtcaaag cccaaagtac 300
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40 ggaaacaact ctactgactt catagaggat tgggtcaaaa tctgtttacc agcaaagtca 600
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50 <211> 991
<212> DNA
<213> Arabidopsis thaliana

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<211> 990
<212> DNA
<213> Arabidopsis thaliana

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30 tgggttgaag tgttctgaat ttgtatccat gcatccagga actagatcca agttgcatct 240
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45
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<211> 990
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<210> 258

<211> 989

<212> DNA

20 <213> Arabidopsis thaliana

<220>

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25 <223> n = A,T,C or G

<400> 258

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taaaccggcg taagcgcggc ttctccactg ctctcatccc tctcatcact tgaacatgag 900
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<210> 259

<211> 989

<212> DNA

<213> Arabidopsis thaliana

50

<400> 259

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5 tgggttaaga aaggaggtgc ttctactggt gaagtgagtg cggagatgct tgtgaacttg 360
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 gagttcgtcg gagacaaggt tgcctatgca cttgctcaag gtttgaaagt gattgcttgt 480
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 15 ccagtcgcaa ctctgaaaaa atgaataagt tgggtattatg atatgatata ttttgcttca 960
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<210> 260

<211> 988

20 <212> DNA

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<221> misc_feature

25 <222> (1)...(988)

<223> n = A,T,C or G

<400> 260

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<211> 987

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50 <213> Arabidopsis thaliana

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55 <223> n = A,T,C or G

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 15 gtcccgtagt gccagtacag acatcctcgt aactcggatt gtgcacgatg ccatggctat 600
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25 <210> 262
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30 <220>
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55 <210> 263
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 ccagtagata cttgtcgtcc cgagttttat acaactgaat ttcaaacttg acaacattgg 360
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 <211> 986
 <212> DNA
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35

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5 <213> Arabidopsis thaliana

<220>

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<222> (1)...(985)

10 <223> n = A,T,C or G

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	catccccgag	ccggtacgag	tctcaaaaga	ggcgagactg	gaacactttc	cttcagtatc	240
	taaggaacca	caagccacct	ctgaatctgt	ctcgttgtag	tggcgcacac	gtccttgagt	300
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<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(984)

<223> n = A,T,C or G

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<400> 266

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	acgttccaaa	aggatttctt	cctgcaactg	gggtcctcaa	tcattatcgc	cctgttgacg	360
	tctcaccatc	agttcggggt	gaaactggag	ttgagcaagg	agacactggt	agcatgcact	420
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	agcaccataa	aagtgatcta	tttgctgacg	aaagcaatcc	agctgcaaca	gaagtggcat	660
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	gaactggctc	taacctcata	tcactcgggtg	taagatatca	accagatgga	agctatctca	900

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<210> 267

<211> 983

10 <212> DNA

<213> Arabidopsis thaliana

<400> 267

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	cagggtcagt	atgtgtgact	cctgatgtca	atttcttaac	actgtcttta	gcctctgcaa	360
20	caaacgaagc	gtctggcttg	tgtttatccg	caggttcttt	cagggccaga	cagatgtaaa	420
	acacaataac	tacattgact	gataccacgg	caagaaatcc	actcagtagt	gtcagagaat	480
	gtggagacaa	cgttggtgac	cctgtcgaga	tttaacagag	caaaacgggc	aatttctaca	540
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25	agatgatcaa	acttcattac	atgaactacg	cgtcaaagac	taaactgcct	ttgttacaag	720
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	aatttctcta	atctgccatc	agatcccaac	aaccagctat	tctactaaac	caagttccac	900
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<210> 268

<211> 982

<212> DNA

35 <213> Arabidopsis thaliana

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40 <223> n = A,T,C or G

<400> 268

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	ccatgttcag	ctgtcgtcgc	ttcaggaaca	atcgcatcag	cttcttggtt	ttccccagct	300
	aaattctcca	accacatatt	atctccattc	attagattat	tcacaaaatc	atctttctca	360
	tcacttttgt	tacatgtgat	actattttca	caaacattat	ttttcttgag	tccaaggcat	420
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 10 <211> 982
 <212> DNA
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<220>
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 <223> n = A,T,C or G

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 40 <212> DNA
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 45 <222> (1)...(982)
 <223> n = A,T,C or G

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<212> DNA
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aaaacttcgt cgacgcgctg g 981

45 <210> 272
<211> 981
<212> DNA
<213> Arabidopsis thaliana

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   cgaataacca aagttattat catactgagt catgaactcg tcgttgaact tcttgaagct 180
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   cttgagacag tagaaaacgt ctggcacttt tccagcttgt tttgcagctt ggagagctcc 360
   cgttggtaac cgtatttgag gaaacgaata cattgcacct tctgtgaaat tgcacacgac 420
   gtttttgag ctgttgaatc catctgtcat gagccttgct cttcttctca aagattcaag 480
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   aaccatcaaa cccataaaga tttgcgcaga gacattaggg ctgagggcaa ttgatgcaac 600
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   ctgtccacat tcaccccaat atcctttaga gactgtgtga aaagatacaa gctgaacttc 720
   cttgtgaac ggccaaccca tttccatcaa aacctnnnnn nagctgataa agggacgctc 780
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55  <400> 274

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25 <212> DNA

<213> Arabidopsis thaliana

<400> 275

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25 <211> 976
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30 <221> misc_feature
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tttgagccgt caccgtttct tagacttaac agccacaaca cttttataaa gcttcacgcg 180
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 <212> DNA
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<220>
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 <222> (1)...(975)
 <223> n = A,T,C or G

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<211> 974

10 <212> DNA

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<400> 280

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	atgtacttaa	atttagtaga	gagtgtgtga	ccttctcttc	atgttgagac	aaaaggaaat	900
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35 <213> Arabidopsis thaliana

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 aaccaccaa gttttacatg aaacgaaaca ttgaacttct taagcataac agagacgaga 180
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 <223> n = A,T,C or G

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 15 tcgaacacta cagatgcgac aggaatctct ccatggggat gaatctcggc aacatgtcga 240
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 aggttcgacc acttgacttt gagaaagcgg cnaacaaagc ttgtaacatg agaatggaag 480
 aagggaaatc gaagttccca cgtgtggagg aagataatct tncntacttg tgcttgatc 540
 50 ttgtttacca atatactctt ctgcgtgatg gattcggatt gaagccatca cagacaataa 600
 cgttagtga gaaggtgaaa tacggagatt acgctgtgga agctgcgtgg ccactaggaa 660
 gcgccataga agcagtatcc tcaccatgag gaaggcaatt ttgggtatTT gcactaaacc 720
 tcttattctt ttagtctctc ccaaaatcac cccaagcttt ttttgctta cctcaaattt 780
 tttttatcgt caacatcttc cttactatca atttttgtta caataatcat ctagagaaaa 840
 55 gagtttcaat tottaatat cctataattt tatttttctt gtaatctaaa ctgcttaccg 900

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10 <212> DNA

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15 <222> (1)...(970)

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	tccaattaaa	aaaaaaagaa	gtctttttaa	gcctagaaga	attcaaacat	tcgagaagag	240
	taagcaaaaa	ggagaaacgg	tgacagtaaa	acatgaaaca	aatcgagcag	gtcttaaacc	300
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25	cgagataacc	tcaagctttg	ctagcaatgt	tggttgaaag	ccaatccaga	ccttcataga	420
	gcccttcacc	gctagtgtcg	catgtgcttt	ggatgtacca	ggggcggttg	cggannnnnn	480
	nnaggccaan	nnnnncagta	atctcagcag	cattcatagc	gtttggaaga	tcctgcttgt	540
	tggaacacac	aagcaatact	gcaccccgaa	gctcatcttc	attcaacatc	ctgtgaagtt	600
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40 <213> Arabidopsis thaliana

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	aggagttaga	acgatagtgt	caagtcggtt	aaggaggaga	ggactcctca	tggaccagtt	240
	cctgattatc	aaaatatgca	gcacaacaga	aacaatcaaa	ctggtgtgag	aatttcacac	300
	tcagggtccat	tgatgagcaa	ccggaacatg	gctaagtcaa	caatgcatgt	gaaggagaat	360
	gcacttctcta	gataccctcc	agctagagta	aaccggaaga	tggtatcagg	ctcagttctc	420
55	tccaaaacat	tattagaacg	gcaagatcaa	ccagtcacga	accaaagaag	aagagatcgg	480
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5 tcttgggtata atcctagtga tagcaagatt tacatgtcag gaccattggt ggctcagcca 600
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 nactcnaga caccacaagg ctgaaatcat tggaagagcc aaattattga gcgttctaaa 720
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<210> 290

15 <211> 969

<212> DNA

<213> Arabidopsis thaliana

<400> 290

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 taaaaataat ctttaatttg atttgctttc ctctgtgagt gtgtttcctt gcacagagag 900
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<210> 291

<211> 968

40 <212> DNA

<213> Arabidopsis thaliana

<400> 291

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 tccagcatca agtctggtga acgtgcgctc ttgcatgttt gctgggaatt tagcatatag 180
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40 <223> n = A,T,C or G

<400> 297

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45	agaggaagac	gcagcagtg	tagcagtcgt	aatcgcgagc	gcagaagctg	cgatcctctg	180
	tatcaatact	tgttcgacac	ctgtgggtcat	tggccttttc	ctacaactcc	ttcgccggaa	240
	aacccttttc	taccattcca	accaccgcgt	ccaccaccac	gtccgagacc	gcgtccaagg	300
	ccatccccac	gtctaccgcc	acctttgggt	ccatcacccc	caccaccact	gcacccaagg	360
	cgtccccac	gcccaccacc	gcttatgccg	tctccaccgc	ctttgggttc	atcaccacca	420
50	ccacctctct	cttcaccnnn	cgttctctca	cctctctctc	cctctccgcc	accatttttc	480
	ttcttccctt	caccgcccc	gncggtgata	gtgtttccgc	ccccttgggt	gccgtctcct	540
	ccgcccgcac	taccagggtg	tgatcagacg	acacaacctc	cgcggttatg	gctacctccg	600
	ccaccatttg	gagacgaaac	gccgccagtg	ttctctcttc	caccgcccgt	ggatgagttt	660
	ccacctatgc	caccaataac	atggttgcc	cctccggatg	ttcccgccca	aacctcgctc	720
55	gcagaggcct	ttgatcagat	tcctccactg	ttcatggaat	cccctctgct	caaacgctaa	780
	tcattttctg	attttctctt	tctttgtttc	tgtttagcag	ctgggtgtacg	attactaaac	840

5 tacgtagatt taacgaaaca attttgtttg tttgtaaaca acgtagcaat tttttttttc 900
 tctaagtaaa ttgataaatt cacttaaacg gatttctttt tgactttttg tcaaaaaaaaa 960
 aaaaa 965

<210> 298

10 <211> 965

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(965)

<223> n = A,T,C or G

<400> 298

20 ccacgcgtcc gagagtttta ggtttttttt tcttcttctc ggaggtttgt agaatcaaca 60
 aaaatggtgg aagaccacaa gcacgaggaa tcgatcttgg agaagattgt tgagaagatc 120
 catggccacg gtgactcgtc ttctctgtcc gattccgacg acgataagaa atctacatcg 180
 tcttcgctcg cgtccttcaa gtcaaagatt taccgacttt tcggaaggga gaaacctgtt 240
 cacaaggttc tcggtggtgg aaaacctgct gatataattcc tttggaggaa caagaaggta 300
 25 tctgggtggag tcttggtgct tgtaactgcg tcttggtgct tattcgagtt attcgaatac 360
 catctcctcg cttttctctg tcactttgcg atttttgctc ttgcagcatt gttcttgtgg 420
 tctaattgct gtacattcat ccacaagtca actcctcaca tcccggaagt tcacatccct 480
 gaagatccta ttcttcaact tgtttctgga ttaagganng aantcaatcg tggtttgann 540
 nnncttagga acattgcac aggaaaagat gtcaagaaat ttatcctggt aattgctggc 600
 30 ttgtgggttt tgtccanmnt tggcagctgc tacaacttct tgacattggt ctacactgct 660
 actgtccttc tcttcacat tcctgtactc tacgagaagt atgaggacaa agtagatgcc 720
 tatggggaga aggcgatgag ggagatcaaa aagcaatatg cagtacttga tgagaaggta 780
 ttgcgtaagg tcataagcaa gattccaaga ggagctctga acaagaagaa ggattaagga 840
 atgtgagtta ctctctcatt ggaatcgtag taatgggtca agacatgttt tgttagaagc 900
 35 tgttggttga taaacccttt gatctcttgt tattattatg ttcattataa atttgggggt 960
 tttaa 965

<210> 299

<211> 965

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(965)

<223> n = A,T,C or G

<400> 299

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 acatgtctca tgactacttt gatgctgagt tgaccagct tggctggaaa caggtagata 180
 gtttgcgtaa gcatgttcat tccagtggac ttcacaagaa gatcgaactg gtcatttcgt 240
 ctccactgat gagaaccttg caaactgctg ttggtgtttt tgggtggagag ggctacacgg 300
 atatgagtga tgtactacct ctaatggtag caaatgcagg aaatagcagc cgtgcagcta 360
 55 tatcgagttt aaactgocca ccagttatta cagaggagtc ctgcagagag catttgggag 420
 tgcattccat tgatcagagg agaagtatca gcgactatca gtttcttttc cctgcagtgt 480

5 acttttccact gatagaaagc gaggaagaca agttatggaa ggctgatggt agagaaacga 540
 ttgaagaact tgcagctaga ggaaaaaagt tcctgaactg gctatggaca cggaaagaaa 600
 aagagatagc tattgtgaca cacagtgggt tcttgtnnca cacattgaat gcactacaaa 660
 acgagtgtca tccagatggt aagaaggaaa tttgcggcca ctttgctaact tgtgagctac 720
 gttcaatggg catcgctgat agaagtatgt tgggatcgga cagttcgggtg actgattatc 780
10 caggaaagat tccaaagggg attgatcttc caagtgatgc tgtttagatg gataacaaca 840
 tcaaagttga gtgattcttt atgatggaca ctgcattgtc ttcaactttt ctatttatct 900
 atacacaaac accttctttg ctgtatgcaa ctctcttatt agtattacta ttgactatcg 960
 agtta 965

15 <210> 300
 <211> 965
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
 <221> misc_feature
 <222> (1) ... (965)
 <223> n = A,T,C or G

25 <400> 300
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 tgcagttggg ggtatggcta aaggctccgg gatgatccat cccaatatgg caactatggt 180
 aggtgtcatc acaacagatg cactagttaga aagtgatatc tggagaaaga tggtaaagggt 240
30 tgcagttaac cgaagtttca accagatcac tgtatatgga gacacgagta ctaacgacac 300
 agtcattgct ttagctagcg ggctatctgg atcaccttct atatcatctt tgaactgtaa 360
 agaagctgca cagcttcagg catgcctcga tgcgggtgatg caaggacttg ctaaatcaat 420
 agcttgggat ggtgaagggt ctacatgtct catcgaggta actgttaaag gaacagaaac 480
 tgaagcagaa gcagcgaata ttgcacgctc tgtggcttcc tcttccctgg tcaaagcagc 540
35 tgtttatggg agagatccaa actggggacg catagctgca gctgctgggt atgccgggggt 600
 ttcttttcag atggataagc tgaagatata cctcggcgag ttctcactca tggagagtgg 660
 tcaacctctt ccgtttgaca gggatggagc aagtaactac ctcaagaaaa cgggtgaggt 720
 tcacggaaca gnnncaatcg atatatccgt aggtgatggt gcagccatcg gaaaggcatg 780
 gggatgcatg cttagctatg actatgtcaa gatcaacgct gactacacct catagaactg 840
40 agaccgagag acagagtttc atttactgtt tttgtgttat atctcaaatt ataaactgaa 900
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 aaaaa 965

45 <210> 301
 <211> 965
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1) ... (965)
 <223> n = A,T,C or G

55 <400> 301
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5  acaacagcaa caacaaacac gttcaaagca aaactcagag aataaactaa tcccagtttt 180
   gctcctacca aaagaatcta cacatggact tagattctcc agtctcaatg tgcttcttct 240
   tcttcttcat cttctttctt gggttacaat aacaaaccct tccaagctt atttacatat 300
   aaatcacaaac tctgcaaatt gttgaacggc gtgctgcgtc cttttgtaca acttccaccg 360
   tgataaaata aggagctaga aaaataccaa cttcttctgt tgtcttcata aaacatacta 420
10 ataccatcag aaacctgtaa gaatgcgtaa gtaaccacct ttacagtctt ttgattgctg 480
   ttgctgtctgc tttcatttaa gcacaaacgg cttccaccgc gagtttcttc atcacatttg 540
   gacacggatc tccaccaaac atctccgggt ctacagttac agaacaccag ttctgcccaa 600
   cacatagttt gttgaaagcg tcataggagt gatgggcatg acagcttcct tgacggtaac 660
   taccacaagt cctttcaggt gtcccgaac tagcaaactt cacggtgggt atcttttgct 720
15 cgggcccgcg ttgcaaattgc actttgggat gcaatggttt attaaacttt ccagaagcat 780
   gcaattggta gttcaccagc gttgattgcc attcatagat atctgcacat acactgtcca 840
   cttctcttct gaccaacgag atcncgttcg ggtctcctcc ccactcctca aagacaacca 900
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   tcgat 965

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20  <210> 302
     <211> 963
     <212> DNA
     <213> Arabidopsis thaliana

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25  <220>
     <221> misc_feature
     <222> (1)...(963)
     <223> n = A,T,C or G

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30  <400> 302
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     tacacacaca aaataatgga cgaagttttt ttcagataaa ccggttaaga aactcatcaa 120
     cactagtgtg cttgacttca gggtaaagct cgggaagcctc aactccaaaa gaaggatcta 180
35  tagtgaagga ggtaaagtca ctcttcacaa ggattgtatg gatcagaccc accaaaaaat 240
     ccattggagg cttactctct tggatggttt tgaggagttc ttctcttgaa acataagtct 300
     tttcgagagt cttaccgatc ttttctccc acaaaccaac catatcgttc tgcgatacaa 360
     tgtaattggg cgggtgaatg tagagaatct tgtaagtgt tctcggatca tcaacagctt 420
     tcaatgtata tgcaacgatg tcttcttcag tgttgacaat ggctttgnnt tgccagtatc 480
40  atagatnnnn nctttgtctc tannaggaga tctgagtcgc aagtggcatt gacccaaaca 540
     aggaacaaaa agacctgcaa agcaacctga gacgacatac gtataaggta tctttgcagc 600
     ttcaatggca cgccttatct gagctttagt gatgaactct gatagcgttg gctcaatggc 660
     taccgtacga tccacgtcat taccaaattc cnacggtaag aatctcttaa catttccaga 720
     ttctttgatg gcatcgatga tattggtttg attaagaatt tcagtttnna accgaccaac 780
45  agctgatatc acgacatcga cttgtttaat cgccttcaact aagctctctt tatcacttaa 840
     acttccgtag agtatggtaa cgccgagatc tttgaatctc tcaacgagtt gggccttaac 900
     gggatcggag agagaggctt ctctaaccag agcgaagtgc gcgtggccag acttggcgct 960
     ttc 963

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50  <210> 303
     <211> 963
     <212> DNA
     <213> Arabidopsis thaliana

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55  <220>
     <221> misc_feature

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5 <222> (1)...(963)
 <223> n = A,T,C or G

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 acgatcttct ctttcaaaga caatcaagt agagatcttt gccttttctt acaacaaatc 180
 aaatgtttct aaggatcaaa ccttagatga agttacggat gtctagagac ttcacgtccg 240
 gcatttcctc atcctggaat tcctccttct ttttctgaga ttccatagct tcaacagcat 300
 cactcttcag ctcatccaac tgtgctttgg ccatgctgag ctccaaattt tcttcgtact 360
 15 taggaagatc ttcttttcta atcccaagct ttttggtgcc tttctcaaac tctgcaacca 420
 aaagatccat tcctttcttg tcacttctca ggagaggctt ctttatgtcc ttctcgactt 480
 tctccaaagc ctogaacatc atggcctcag caccaagctc atcagtaagc cccctcctgg 540
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 tatcaatgtc atgtttaatg cgttgagatt ctgagaacat gtctgccttt tgctgatgg 660
 20 tcttcattac atttgcatatc tgttttacgg cagctgggtc ctctggatca aggggtgatct 720
 tttccttacg gagaatatca acagcagcct ggaatttggt cttgatatac aaaaagacac 780
 ccttcaacat ctcatctcct ttaaagggtg gacgagcagc ttccttagca aaagctcggg 840
 ctggaatagc atgttgctgc tgcaaaatga ccagaccccc ctgtagctgc ttagatctgg 900
 agagaaaacg agaagcgtac gccatttctt tgatcgaatc gagtcgctgt ggagttgacg 960
 25 aaa 963

<210> 304
 <211> 962
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(962)
 35 <223> n = A,T,C or G

<400> 304
 40 tttttaataa taaacgaatt tttttattaa cgttcttctt ttttgaagaa tcatataatc 60
 caacaaagaa aaatcaaaat tataaaaacca ataatgatc gccacgtgcc acttcaacaa 120
 cctcgcactt caccgtcaac cccttatcca ttccaccacc ggcggccacc gttctcctct 180
 tcttcggagc tccgttctcg ttagaagaag gaaaagaaga tctcttggaac ttaatccgaa 240
 ccgggtcggg ttctcctgaa ttaactctca acggaaaatt caacaaagcg cgggaaccac 300
 gcatcctgaa agcagctctg tcgtaagcca acgcgcgctc ctccgcgcgc tcaaacgtcc 360
 ctaaccaaac cctagctccg ttcttcgcgc ggtctctaat ctccgcgcgc aatttcccc 420
 45 acggcctttg tctcactcct ctataatgct ttcccttcgc cgcgcgcacc gccgcgaaa 480
 caggactnnn cntcnnnnnn ttgaccggaa cagaatccac cgccgcgaaa ctctccggag 540
 tctcgatctt aacactcggg aaagagctac gatcttcgtc ggaagacgaa gaagacggct 600
 cccaaccgcc gtgaaaggcg tcggttagga taccgtaaac taacatatcc tcagaatcgt 660
 tttctttcaa cggcaaatct cccagctctc cggtgaaagca aggatacagt ttgctaaagc 720
 50 tagggttctg tccgtacacc ggtttaatgc tctgaccggt tacacaagat tgagtaaccg 780
 aactcgctgt cgactcactg agtatcggct ccgattctcc tagtaagtgt cgtcgtatgg 840
 actcaagaaa agcataatca gattgagaat ccgcgctcat cgacataaca gaaagagaat 900
 tattaagaat gtttttttgt tgtttgggtt ggttcttgtt gagatttcaa aacggacgcg 960
 tg 962

55 <210> 305

5 <211> 962
 <212> DNA
 <213> Arabidopsis thaliana

<400> 305

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	caacaatact gtgattatat tatacatcaa	caatagaaca atataaacac aaacttatta	120
	ctctttacatc tttctttttaa taatcttttg	ctcccgagat ttttggtaaa gtgtcagtct	180
	tctttcatca atccactgaa actgggttca	tctcctctgc ttctttcctc agctcatcaa	240
	acagaacaga cgacagatat ctttctccga	agctcgcatg aattgtcaca atgagtttgc	300
15	ctttattctc tggcattttc gccagtctaa	ttgctgccac ggtgttagct cccgacgata	360
	tcccaacctt gagaccttct ttcaatgcca	attctctagc catctttata gcacctcac	420
	tactaacctc aagaacactc tccataacat	ccatatccaa gatttctggt ttgaatccaa	480
	caccattgcc tgtgatagca tgtggacctg	gtttgccacc gttgagtatg ttgctttcag	540
	caggctccac tccatatatc ttgacattgg	ggtttttaga tttaaggtat cggccaacac	600
20	cagagactgt gcctccactg ccaattccca	tcacaaatat atcaacattt ccaagtgtat	660
	cttcccaaat ctccaggacca gttgtatcaa	aatgaatctg agtggtttgca ggattagcaa	720
	actgttgaca catgaaagca tcaggagtac	tatcaaggag gtcataagct ttcttaacag	780
	ttccacccat tcctttggct ggatcagtga	gaacaagctc agcaccaaag gatctcatcg	840
	tgactctcct ctccaagcta gtgtacgaag	gcacgtcat tataatcctg taccctttca	900
25	tagcagccat gaaagccaaa ctgattccca	tgtttcctga agtaggctct atcagtgttg	960
	tt		962

<210> 306
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 30 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 35 <222> (1)...(962)
 <223> n = A,T,C or G

<400> 306

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	ttgttctactg atatactggt tgagatcccg	ttgcctcggt acgaaaatca taatctgggtg	120
	atacacgggtt atccagactt gctgttcaac	caaaaatcat gggttgcatt gaacacgggt	180
	atctttctgt tgagaaattg tcagtgggtca	ttggatttat tagatgcttg ggccccaatg	240
	ggaccaaaaag ggaagatccg tgacgaaact	gggaagatac tgacacctat ctgaaaggca	300
	ggccagcatt tgaggccgat gatcaatcgg	cgttgatata tctcttgctt tgcgagnnnn	360
45	aaaaatggat agagaagggt tatgtggaga	atcaatacta cttgcacggg ttttgggnng	420
	gtttggttga caggatgaa gagatgatag	agaagtatca tccaggattg ggcgatgaga	480
	gatggccctt tgtgacacat tttgtagggn	gcaaaccgtg tggcagctat gctgattacg	540
	cagtcgatag atgcttcaag agcatggaga	gggcttttaa ttttgcagat aatcaagtgc	600
	tgaagctgta tgggttttagc cacaggggac	tgttgagtcc caagattaaa aggatcagaa	660
50	atgagacagt ctctcctctg gagtcatgag	acaagttaga tattcgaaga atgcacatgg	720
	aaaccaaacc atagagctag gaaaatcaat	gagtgaaacg aatcacagtt tggcaagatt	780
	acaggaaaca atagatgat atacaaatac	tctcacaac acaatgcaat ttgtttaccc	840
	tgcacttggt ccttgtgctt cattgtttgg	tctcatgaag ataagtttta actgtcaaat	900
	tcttattcca tagatgtttc ttgtcattgt	tggtcaatat atggagaaat ttgatactgc	960
55	aa		962

5 <210> 307
 <211> 962
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(962)
 <223> n = A,T,C or G

15 <400> 307
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 ttctcactat aaagacttat agaagcataa gattcataga ccaaacaatt caaacagagc 120
 agcggggaaa acaaaatata aaaaggctcg gaggtctact atgagaaaag cttcgagatc 180
 aatctgaatc agagtcgaca ttcgctgaag acctaacgga ccgacgtatg ctttcttgat 240
 20 actcgtaatc ttctcatct tctctttttc tcttttctact aagcattcct ttcttgacca 300
 gaagattctc cagcttcgtc gtggagaaat cgtccttggc acctagatct tgaaacccga 360
 caagcctatc catcgcgatt cccttgctaa aaagggtaac acacggcaaa gtcttgattg 420
 caagcttggt gacgaagaag ggagcgttct cagcgtccat cttaatgaac tttgtgtcca 480
 catgtctagg agcaagggtc ttcaaagtct tgtccattat cttgcagcga tagaactcct 540
 25 tgtggtagaa gtgacatata actttttcac tccttgtgac ttctcccaag aagtcgcctt 600
 cgctaacttc tcggtattca ccatgtcctt gtcttttgaa tgcttctctc ttttccactt 660
 ctctcnngag tgctgcaatc ctatctgcgt gcaacttttc tagcnngga tcatccatca 720
 attcgtcaag atcaacttcc tcgttgacag gtcttgatcc ttgtgccttt tcatttgcaa 780
 gaacttcctt tttataatct ctagcagctg ccgccaatat attcccgaat gccagattcg 840
 30 agagggtcga cttcaccgta tccggatcca tctctttacc aacnnnctaa tccaactcag 900
 aaaattttta aatctcaatc aaaaatccct ctaagatagc cagagaagag acggacgcgt 960
 gg 962

<210> 308
 35 <211> 961
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 40 <221> misc_feature
 <222> (1)...(961)
 <223> n = A,T,C or G

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 45 tttttttttt atagcagaga gaggttcata cttcattcta tacaataata caaacattga 60
 attacattaa agcgaannnt acacaatgtc acaatcatatc attttnnngt tttgtcatca 120
 tatctccata gacacttctt ttcttctcta tgatacgaaa cacgtctgca ccattgaact 180
 taaacaacaa caataaacac agtccactcg ctgtaatcga ataatacagc tggcttgaac 240
 cgcggtatct gcaaaatgga gcactaaact gnnataaaaa ccagactaac cagtaatgtg 300
 50 atgtgatgat caaggcttcg gaaaggaaca atcgctgtag acttgttatg ctttgatctt 360
 aaatacaatg ttgcgacagt ggttcttcgg gtgtatgggt tagcgtaaaag gatgggtata 420
 tttctcttgt actccagttt ctctcttttg tgttgcttat aatcacaaaag ngtncttttt 480
 gctttcaagc attgcaccgt ctttttagagc agtgtgtgct tcgttctctt gtcctagagc 540
 tgacaaagct acagcttgga gatacgatgc gatatgcaa gcaggagata tgacttgtgc 600
 55 ttgcattgca ttgttttagtg cttctctagg catatcattc attaggtaac acagactctg 660
 tcttgcatga acagttgggg aaccattgt acctacctcg atgaactgag aatagcattc 720

5 gatggccttt gcaaagtctt tatgtcggaa tgcagaatcc ccctttttct tgaagannna 780
 tgtgtcctgc atctggtcgg tccacatctg gaaagaaagc tctgtggttg caccctcgtc 840
 atccttatat ccaagcttct caatgatctc atgtatggca gttagatctg atcttaggca 900
 tgcttcgcca agaggtgaaa gagctgtcgt tgtggcactg ttaggtacgc ccaacaattg 960
 a 961

10 <210> 309
 <211> 961
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
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 <222> (1)...(961)
 <223> n = A,T,C or G

20 <400> 309
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20 <213> Arabidopsis thaliana

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<212> DNA

<213> Arabidopsis thaliana

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5 <213> Arabidopsis thaliana

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<212> DNA

<213> Arabidopsis thaliana

30 <400> 335

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<211> 949

50 <212> DNA

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<220>

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<223> n = A,T,C or G

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20 <212> DNA

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<223> n = A,T,C or G

<400> 339

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   ttaatggctt ctcatatcag ccataggctt gagccatgtc ttgtcttgtc ttgtgtgttg 840
   tggagtatgg tcatatggtc agtatctcca taatctaaat ccatagatat gtgagttgtg 900
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<223> n = A,T,C or G

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10	gtacttctcg	gttgcgagtt	cagctctctc	cccagcagca	aggagaacag	gtgttgagtg	360
	cgtttggaac	ccagtgtatt	tcttaggtcg	gcctgcctgt	ccaaccacat	caaccgcttg	420
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	cccttgagcg	atgcccacac	agaaaagaag	gctggcatcc	ttgtaataat	agctggagag	720
	atttctaage	atgccagcta	tcttgcatt	gttggttcca	gcgcctatca	atccaagggg	780
	gataattgct	gccattgcaa	cttctgaatc	tgtcatggct	tagtctgctc	aaagtgtcca	840
	taacagtcac	ctttgggttt	gatatacata	ggagaccaag	agccaaaggc	actgcacgtc	900
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25 <213> Arabidopsis thaliana

<400> 341

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	tcaggaagtt	agcggagatg	ctctaggcga	ggaattcaag	ggatacgtat	tcaagatcat	240
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	ccgtcttttg	cttcaccgag	gtactccttg	tttttagagga	cacggaagga	ggactggaga	360
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	aagattaaga	aatttctttc	tctctagttt	gtttctggtc	gtattttaagt	tgctccacag	900
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45 <210> 342

<211> 949

<212> DNA

<213> Arabidopsis thaliana

50 <400> 342

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	gggagatgta	gacaaacaaa	cattaaactg	ctagaacaca	ctgaaaatac	cacaatttct	180
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     agaaataggg tgttcatgct ccgttcaaag acagtactcc agtccttgga gatctcttta 720
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   tctatgtttt atgaatatat atgactatcg gcttttagtct tcagtatcag tttcttgttt 900
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15 <211> 945

<212> DNA

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<220>

20 <221> misc_feature

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<223> n = A,T,C or G

<400> 347

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<223> n = A,T,C or G

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<223> n = A,T,C or G

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55 gttccacttt tattaacct ctcataaaac acaaccaca tcaccaagaa gatgaacaca 240
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	gccaaagtact	tgctctttga	gagatgtgcc	tcgtagacat	caagaacacc	cgcaagcttc	480
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<211> 943

<212> DNA

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45 <400> 352

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	tccactatac	taagtgtctg	catcgaaaag	cacggagaca	ttgctcaaaa	ctgtaagctg	360
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	aggtaacacc	cggtagggca	gttgagcaaa	gtcaagggtca	aagagatgct	tgcggttctc	480
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   aatagcacia aatcaaaaat gctctaataa atgagttttt aagggttaggg tttttaagta 900
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	tgagaaggac	caataaaaact	tgtattgttc	cctaagtaag	gttttgttac	ctttctgggt	900
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55 <210> 359

<211> 941

5 <212> DNA
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<220>

<221> misc_feature

10 <222> (1)...(941)

<223> n = A,T,C or G

<400> 359

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	tacgagcgctc	aatactgcga	gctctcaacc	aatctctcta	gaaaatgtca	ctctgcatcg	180
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	gaagctgatg	tcttgatccg	gaaaatggat	cttgaggcaa	gaagtttgca	gccgagtgtc	300
	aaagctgtgt	gtcttttctaa	actaagagag	tataaatctg	atctgaacca	attgaagaag	360
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	tccggaatgg	cggatctgca	tgcagtatct	gctgatcaaa	gaggaagatt	ggcaatgtcc	480
	gtggagaggc	ttgaccaatc	aagtgcagag	atcagggaga	gtagaagact	aatgctggag	540
	acagaagagg	ttggcatctc	aattgtccaa	gatttgagtc	agcaacgcc	nnccctcctt	600
	catnnncaca	acnagcttca	tggtgtggat	gannncattg	acaagagcaa	gaagggtgtg	660
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	ctcgttctcg	ccatcatctt	gatcatctca	tacaagcttt	ctcattaata	ctcaaaaaac	780
	attattcatc	gtgattgtgt	atatatatat	gatggttgat	ttactttgta	atggcccaag	840
	tggttacttg	tatttttaag	tacgatgttt	gtattgaagt	ggcaacactt	ttaacattca	900
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30 <210> 360

<211> 941

<212> DNA

<213> Arabidopsis thaliana

35

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<223> n = A,T,C or G

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	tgccggcgga	ttcccagtcg	ttcgccctcag	gggtcttccc	ttcaactgcg	ctgacattga	240
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55	agaggtcga	agggtcgagg	ccagatctag	gcaatgactc	tttccttcac	tatgtatcat	840

5 tatatatatc ctttggacca attttgttag gttaaaaccc aaaatgttta tcagtggaaat 900
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<210> 361

<211> 941

10 <212> DNA

<213> Arabidopsis thaliana

<400> 361

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	ctttctaata	agaatgaaat	aacccaaaac	agcacaaacc	gcagcaacag	cattgccttc	180
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	catcatcggc	gatctgattg	agatttttta	ttgagggatt	ttttctttct	ttgtgttgga	660
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<211> 940

<212> DNA

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35

<220>

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<223> n = A,T,C or G

40

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	acacacaaaac	aagttctaga	caaacaaaaa	aaaaagagaa	aaagcaaaga	gattgnaact	180
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	gagcctgcct	tagagggtgt	tgaccctgtt	gatgcattaa	cgcattcaca	cttgccatct	360
	tgctaagtgc	caattgcctc	tcatagttta	ggagatcagc	tgcatagata	ccaggaactg	420
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55	cactttttcc	atcagaactg	agcttatcat	caccagaagt	agcgccttc	gtggcccagt	840

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<211> 939

10 <212> DNA

<213> Arabidopsis thaliana

<400> 363

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atcaacaacc ctctgttttg ttcccactcg ccttcccctc tgccgatata tagagttcgg 180
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<210> 364

<211> 938

<212> DNA

<213> Arabidopsis thaliana

35

<400> 364

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55 <211> 938

<212> DNA

5 <213> Arabidopsis thaliana

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30 <400> 366

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50 <212> DNA

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55 <222> (1)...(938)

<223> n = A,T,C or G

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	tctgtgttct	tgcttctatc	agaaatagaa	gaagtagctg	tatacaacaa	atcattgatt	180
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25 <211> 937

<212> DNA

<213> Arabidopsis thaliana

<400> 368

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	tcttgaacca	taacctgact	caagcgcgac	gcgttcgcgt	gttgtagacg	acaatccatt	180
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<211> 937

<212> DNA

50 <213> Arabidopsis thaliana

<400> 369

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15	cccaagtttt	tgtagactgt	tgttttgact	ctgttatggc	ctgccatctc	tgatccattt	900
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20 <212> DNA

<213> Arabidopsis thaliana

<400> 370

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35	taggccttct	gctaagaagg	ttctttaagt	gactcacaaa	ctgttaatca	gaagattgaa	720
	taaagtggcg	atgacctcat	tgccctaatt	ctcataaaca	ataaaagtgg	cgatgacctc	780
	attgccaaat	tctcatcac	tctgtgattt	ttttgtgtgt	gtctcctctg	tttttttttt	840
	ttggtttgaa	tgtaatcttc	aataataatg	agtcttgata	tataataaaa	atatatttgg	900
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40

<210> 371

<211> 936

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = A,T,C or G

50

<400> 371

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	tgaagttacg	gttcgcgtccc	gtcgtctgct	cctcacacat	ttgtgctcca	gcgatcgaca	180
	agtcgacttt	cgtcatatcc	gaatcgggtg	cagaagatga	gctttgggct	gcagcttgct	240
	tccgcgtacg	aaccttcaac	gaactcaatc	cttctgctta	caatatccaa	gatcatagaa	300

5 gataacttggc agagcgtgaa ttcgaggcgc ttaaggagag aacttcaggg aagaggggaag 360
 gggtttacgcg ggtcgccttg ataaatgcta cctttccatt gtcgcaatta tcaagctctt 420
 ttgaggattt atgctctgca tgtaagttct ctgatggcat agaagacaga gttgtggtgg 480
 gaagccttga tcttaaccaa tgcgttggtc ttcctgatga aattgctgga acaaaaccag 540
 aggggattgg tgtggatttt gctagagcat acttgagcaa cgtctgtgtt gcaaaagagc 600
 10 tgcacgtgaa tggagttggt taaaaactta ttgacaagtc taagagagtt gctggagaat 660
 ggggcataac ggatatgtac gtgcatgtga cggtagacaa tgaagcagcg aagagctctat 720
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 ataggccaca acggctcttc ctenggctcg ccttccttac ctcccaatc atgtccatgt 840
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<210> 372

<211> 935

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(935)

25 <223> n = A,T,C or G

<400> 372

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 30 tacaccggcc ggtgagctga ccgtagaaga gaggaatctt ctctcggtcg cgtataagaa 180
 cgtgattgga tctcttcgtg cggcatggag aatcgtgtct tcgattgagc aaaaggaaga 240
 gagcaggaag aacgaagaac acgtgtcgct tgttaaggat tacagatcta aagttgagac 300
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 agctactgcc agtgagtcta aggttttttt acctgaagat gaaaggagat tatcatcggt 420
 35 atttggctga gtttaaatct ggtgatgaga ggaaaactgc tgctgaagat actatgatcg 480
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45 <210> 373

<211> 935

<212> DNA

<213> Arabidopsis thaliana

50 <400> 373

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 gatgattcga aattacacaa acggaaatta aaaagacatt aaaattcaaa ttcaaagtcg 180
 aataaaatta cacaagagag aaaaagagag attaattcag tagtctgtgg ttgggagctg 240
 55 ctctgtcgtg gtgttgatga agaaaacttc gtagatgagt ccagcgattc caccgcccag 300
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5	gaaagccacg	gcgggattca	tggaggctcc	agagaaagct	cctccagcta	agatggttggc	420
	tccaacaatg	aaaccgattg	cgatgggagc	aattgttcca	agactcccgt	ttttgggggtc	480
	aatggctgta	gcgtagacgg	tgtaaacaag	cccgaatgtc	atcacgatct	cgaaaacgaa	540
	agcgttcaac	actcctactc	cagcagagag	acccaaaagcc	ggcacagcca	agccaccgggt	600
	ggcgaattta	aggatgaggc	aagcgacgac	ggagccgaga	agctgagcaa	tccagtagag	660
10	gataccacgg	aggagagtga	tgttaccacc	gatgaaagca	ccgaaagtga	cggcaggggtt	720
	aacgtgtcca	ccagagatgt	tggcaccaac	tgagacagcg	acgaagagtc	caaaggcatg	780
	agccagtgcg	gcagctacga	gaccagaagg	agtgggtggct	ccgttttcag	tgagcttggt	840
	gaaagccatg	ccagagcctg	aaccggcgac	gacaaagatc	aaagttgaaa	tgaactcagc	900
	caaggccgcc	tttaaggcat	cgggacgggt	tgctt			935

15
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 <211> 934
 <212> DNA
 <213> Arabidopsis thaliana

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	cgttacatat	acattcacag	gaacttacat	acagagaaga	gaagatcact	tatggtgctg	180
25	cctcttcctt	ttgcatctgt	tcgataagag	gctcgagaat	acaagacttt	ggattcttac	240
	ccggtggacc	tttttctctt	cgttcaagct	cttcaagcct	gaaagtaatg	agacggtccc	300
	agtttctctc	ttcgaacaag	acaccagctt	ttccatcagt	gatcctctgc	acaattccac	360
	aatacatgtg	atacggactg	ttctggttct	tgactatagc	aatcatcccc	ggcatgagaa	420
	ggggtagctt	gggcgctttc	ggcttcttat	ctgtagcaac	cgcggatgca	tcgcttcctt	480
30	gttttgcagg	tggtgggtgg	ggaggagggt	gtggattttt	ttcgataaac	gtttttaaac	540
	ccttttcgcc	accgggaaat	cctcctgtga	gacccatcat	ctctttctcg	aaaccatctt	600
	caggtacttt	aaaagacaag	ttactgtcat	cgctctctct	ctctgtctcg	ttgttctcag	660
	cctttgatgt	ctcttgctcg	tcttcaatgt	tcctctggag	ctccttctca	atacctttct	720
	ctccgttgca	taatcctctt	cctcccatca	cttcccatag	attgaattta	cccatggcct	780
35	ttacttgata	cagttttgac	tgctgttttg	gaggcgggaa	aaccgaccgg	tttacagttg	840
	aaaattgatg	tgtttggcct	agaaattttg	atcgatgaat	cggagtctta	atggtcggga	900
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 <211> 933
 <212> DNA
 <213> Arabidopsis thaliana

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	ttagaagaag	gtttcttgga	tccacgtccg	gctataaaact	cctgcactct	tctaaactgt	180
	tccttcgtca	tcccactgta	atacgcgtga	gctcgtctct	tttctagtgt	gagagcatgc	240
	ccaagatcaa	gcttaagtcc	atcattgata	acggatttaa	tcctcagaac	catgccttgt	300
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	accacatggt	ttacaaaccc	taacttccca	gccacgtctg	ctgtcagtgg	catcgatggt	420
	aaagaaactt	ctcgagcttt	gtttgctccg	atgatcctcg	acagcttctg	agacaaaccc	480
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	acaaaaatat	cacaggccaa	ggcgagttca	aaccggcgcg	tgatggcaaa	accgttaata	600
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	ttcacgtctc	ctttgaaaac	agactccgcc	gcagtcaaat	caacgccaga	gcagaaagat	720

5 cgacctgatc cggtgaaaat cacgacctgg accgattcgt cggagtccat atccttgaat 780
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10 <210> 376
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<212> DNA
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15 <220>
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<223> n = A,T,C or G

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actcgttctt cactcgctgc gacacaagac ggcggcggtc aacggagtcc tcgtcggtag 180
aatcagccct aaggacgacg gagttgtaga gatctcagat tctgtgccgc tctttcactc 240
25 taacctcgct ctccctctc ctctcgagat ctccctcatc atgatagagg agcattatgt 300
ggctcaagg ttaagtattg ttggatactt tcatgcaaac gagaggtttg atgacgttga 360
gctctgtggt gtggctaaaa acattgggtga tcacatttct cgctatttcc ctcanncacc 420
aattctcntg ttgaacaaca aaaagcttga agccttatca aagggtaaag agcgaagccc 480
tgtgatgcag ctctgtgtga aggatgcttc taagaactgg agagtattg gagcagatgg 540
30 aggaagcaag ctactcttaa aagagccatc ggccaatgta gttttgtcag attacatttc 600
atctgagaaa tggaaggacg tcacagatgt tgatgatcat cttgatgatg taacaaagga 660
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ttgctttcat catcttctgt cgaaaaacaa aaaagttctc ggagaccatt gtttaaaatt 780
tcccttgaat cttgttaaag tattatccag ctatgcaaca gagctcaaat tacnnttaat 840
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<210> 377
<211> 933
40 <212> DNA
<213> Arabidopsis thaliana

<400> 377
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ctcacctttt aacctaattc tagacagact tatctgcctt ttaaaaaaga cattttaaaa 180
cagaaacaaa cactctttta ttttgctcca taacttgtgt attgcttctt tcactattgc 240
ttgetcaagt ttctgataac atatggaagt atgcctccat ggttaaagta tgccaattcc 300
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tgaccagtca atccaagagt atctgcgtct tcaccggact taaagcacia tgggatgatt 480
cccattccca ccaagttgct tcggtgaatc ctctcaaaac tctttgcaat caccgcttta 540
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gctccagcca gaataattgt gtcttcacca gatgacttgt acctcatggc agcgtcaaag 660
55 actgagagct tctctccaga tggaatgtga acagtcttag ggccaacttc accattcatg 720
agcttggtta cgatacggat attagcaaaa gtacctctgg ccattatttc atcattccca 780

5	cgggcgacttc	catatgagtt	gaagtcctta	cggtcaacgc	cacgctccat	gagaaaacttt	840
	gcagcaggac	tgtccttttg	gatgtttcca	gctggtgaga	tgtgatcagt	ggtgatactg	900
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10 <211> 932

<212> DNA

<213> Arabidopsis thaliana

<400> 378

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	agcttggttaa	ctctaaatga	ccaaatggat	gaaagagcaa	caacatggtg	atatgatata	180
	cacatgtatt	atgaaacttg	gtctcaacaa	ggtaacttga	aacccatgta	acgaccagag	240
	acataatcat	tccaaacatc	aagagctcca	tagcttggtca	tcaacacaa	actcaatgcc	300
20	atgacgatac	caaccgagaa	cacaatgatc	gaagcccttc	catactcggg	tattaccttt	360
	tgaaccacct	ttagtcccac	gagtgatgcc	acaaaacata	tgaccgcaa	tatacttgcg	420
	gttcgggtat	gttccatgcc	tagtaataag	tattgaatcg	cagacattgt	tgatgaaaaa	480
	agaaccatga	aagaacatgt	cgctgcagtt	acctcgggag	cgataccgac	ttgaagaaga	540
	agaggactaa	tgagcattcc	acctccaata	ccgaacacac	cacccaaaac	tccagctaat	600
25	agagccatta	cagggaaacat	acacttggtt	gatcttgctc	catcatttga	tctcaaatct	660
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	aagcagatcc	agagagtgaa	gaagagagtt	agtggatatt	gagacgatga	aatgagccag	780
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	agataaactg	cgaagtaaga	aagccaaata	atgaccaaaa	ctccaagctt	aatccatgga	900
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<210> 379

<211> 932

<212> DNA

35 <213> Arabidopsis thaliana

<400> 379

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40	cacaattttac	ggttacttta	accatcagtc	tctatatgct	cactcatgag	caaaagtttt	180
	taagcggcaa	gcaacttctg	gatgtctttc	tcgatttgga	aaggggatgt	ggtgggaggg	240
	tacctctcaa	cgacctttcc	ctttttatca	atcaagaact	tctcaaagtt	ccatttaatg	300
	agaccaccca	agaatcctcc	tgcgtttgat	ttcaagaact	cgtagatcgg	cgctgtgctt	360
	ggtccattca	cgtcaacctt	atcaaata	gggaactctg	ctttaaaccg	ggtgcaagcg	420
45	aattgtttga	tctcggagtt	tgaccggggc	tcttggaac	caaactgatt	gcagggaaaa	480
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	aatttgttca	aagcaacatc	cttcccatca	atgtccttaa	cggtgaaatc	gtgaacgggt	660
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	actgtagaga	atgttccgta	cgaagaagat	gaagtagtca	tggagacgag	tttatgttcg	900
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55 <210> 380

<211> 931

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5  <212> DNA
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   <220>
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10  <222> (1)...(931)
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   caaatgtttt tcttcttttc atctcaaatt tcacatttcc actaatcaga caccaattgt      180
   ttaagcagag attggttcgt atggatatga aagccaaggg tgcttcagag cctctgctgc      240
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   gcaccaaga gaccacacat ctatcttttt atcataagga agtcccaaaa tgacttctgg      600
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   cttcaaatca cagtgtataa gtccaaggcc atgtagaaat tgaagtgatt cgagacactg      780
   gatagtgatt gactgcaatc ttggcatcgt gaaataaact tcaccacctg attctctggt      840
   aaatttgtgg aattcgtata gattggcctt aagaaattca catacaatta gcaagtgtct      900
   gcggtagtaa aagtaatcat acaaccgtag a                                     931

30  <210> 381
   <211> 931
   <212> DNA
   <213> Arabidopsis thaliana

35  <400> 381
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   tttctctctc gttcttgctc ttttgatctg cgtgaaaaga aagaattttt attttcccga      120
   cagagaaaag tccaattttt taaaattagg actttttgat tttcgaaaat tttgggtgta      180
40  atggaaacag atagtatcga ttccgtgatc gatgacgatg agatccatca aaaacaccaa      240
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   tacgagctcc ttgaatgcc tgtctgcacc aattcaatgt acccaccaat ccacaggtg      360
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   tcaaaagtgt atttagagaa gtaaaaagag ttgttccatt tgccagaaat gtgcagaagg      900
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   <210> 382
55  <211> 931
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5 <213> Arabidopsis thaliana

<400> 382

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10 ctaaaatgtg acatgatcct caatctaaca gacaaaagta acaagttttg tgacacaagc      180
tgataggttaa attacccaaa ttgagttttt tcaatcaaag acgagcgatg actgcttcga      240
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15 aaccaattgc ctttgcattg cactgccaga atgttcctga aggatcagtg tagtacaagc      480
ttggtccatt ttcatcatgg ccagcaatga gaagagatac tccaaacggc cgagacattg      540
attcttcctc tccttcacca aaccgtaaag ccagatcaca cagtgtctgt gttgtggact      600
ctacagtcac cggctcacca tacgagaatc tatggttttg agtttcaact ctagcatgct      660
caacaagtgt ggcgcgctca gcaattaaac cgctcatagc acaaccaata tggcatcaa      720
20 tttccataat cttctccaca ctgctcggtt ccagcaatgg cgacgtgata cgcttctcga      780
cagcaagcac aactccttct tttgtcttta ctccaattgc agtagaacca agcttgatag      840
cttcaatggc atattccact tgaaatagcc ttccttcttg agaaaaagtg ttcactcctc      900
tgtcatactc agttctagtg agaaacatct t      931
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25 <210> 383

<211> 930

<212> DNA

<213> Arabidopsis thaliana

30 <400> 383

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cttctatacc taatttgacc cattttttta ttttagagact ttttttttct actggggaga      180
aacagtgaat aaggtatatc cactcactcg ccagcagact cacctgcatt cattcttcgc      240
35 catcatcatc agtagacaga aatgtcgacg cttatgcctc ccatggaaaag atttttccca      300
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40 acctgcttca catttctcgg gatcaaagct gaagttgcat cagttaagca actctgagta      600
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tgaaccaagt agcatatgac aatagtgttg ctgcgacccc gacccgcttt gcagtgaaca      780
taagtcgtct ttccaagcga agcatttcta tggataaatt ctacagcttg gcatattgct      840
45 tccatggaag gagcaaaaca ataatctctt gtagcaatca ccagggtggc aatgcagtaa      900
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<211> 930

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(930)

<223> n = A,T,C or G

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 acagaacat tcttcagtgg agtttgtctc agcggttctg aagagtctcg attgcctttt 180
 10 tccacactga agctctctgt tttgcgtctt caaatgataa aaccttcttt ggcgtgcaaa 240
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 tcagaaccga ttctcctggc tctaaaaact gttgccatct tgaatcaaaa gagtctattg 480
 15 aagcaagtgc agttatggaa cccgatgatt cagaagatgt aggaggagca ctgtgccccct 540
 cgttctgtgt ggctaaagaa tctccaatat gtgtcagggt ccatggagaa ccatgtgtgt 600
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25
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 <211> 930
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30
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 gcttctccga ttcctccttt gttcgaagat tcttcagtct tccatggagt cgagcactgg 180
 acaaagggtta agcgatctaa gagatcaaga tctcgatttcc accaccaaaa cctcactgag 240
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 35 cctccggcgg tggagaagtt gagctacaag tgtagcgtct gcgacaagac gttctcttct 360
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 aacatccctc cgatccctga attctcgatg gtcaacggag acgacgaagt catgagccct 720
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 cttagacgat aagatttcgt ttgtatactg ttgagagttg tgtaggaatt tgttgactgt 840
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55
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 <223> n = A,T,C or G

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 ttcagacctc aaagagttga ctttttgttt gcattaggag ctttgacata agcaaccagg 180
 gaagaatctc cggttctagt caatgtcttg agctcgtagc ccaaccaaca cctcgaactc 240
 10 tttctattgt agaaaaaccc taaacatttg caatctctcg tacacttgtc cccacacgca 300
 ctctccgtcg tcgatgatcc accgttatat tttgtcatga aactatcagc tccttcgacg 360
 ttgaagtagt gaaatgtctt gggatcgcaa cttgcgagac ttggagattt acatgtctcg 420
 tcccaaccaa gaagcccttt gtcgctagga caagcgttac actggccttt cttacacaaa 480
 ccaaacccca aacaatgctc agggatccta cactcgtcgt taccgtcagt gtcggcgctg 540
 15 gtaaacgcnn tgtatgtcac gtcccaagcc gtggaagtcg ccaacgtact gtaactccaa 600
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<210> 387

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25 <212> DNA

<213> Arabidopsis thaliana

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30 <222> (1)...(929)

<223> n = A,T,C or G

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 tccttagagc ccaaaacggc atcgtttatg cacaacgatg gccgctccgt caacctcctt 180
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 gctgcttttg ctcgatgatc gcctctttat tctcgacgcc gtccctcagcc accgccaccg 480
 tctcctccta cggatacga ttctgtctctg tcacgacctc cttcggtgta tcagtcattg 540
 cctagaccgt tcccgccatc accttacggc ggaggagtaa gtaggggtgca agtgcagcat 600
 gttcaccacc agcagcaatc tgatgatgag gcggagggtt tcaagagaaa tgcgattaat 660
 45 aagatggttg agatggttca tagcgatttg gtttcgatga ggagagccag agaagctgaa 720
 gcagaggagc tgctgagctt gcaagctggg ctgaagagaa gagaggatga gcttaataata 780
 ggggttgaaag agatggttga ggagaaagaa acacttgaac aacaattaca gattatctcc 840
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50

<210> 388

<211> 929

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<213> Arabidopsis thaliana

55

<220>

5 <221> misc_feature
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 <223> n = A,T,C or G

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 acaccaccaa tagctccgcc gtcatagaatc cttctcttcc aggtcaacac aagtcagagc 180
 tccaaaaatg gagtcatgag attgttttga gacgcatgtg aatcaagatg atctgttagt 240
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 15 gcttatctat ttctgtgcaa agtctgcttt cttcccttac aaatgggtgc ttatgcagtt 360
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 20 acaagaggag actggttagc atgttaggat gcttactcat ggaattagaa gaactcttga 660
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 tcataaaata caagttggaa gcagtgtgcc gataaatctc ccgattatta atgaactctt 840
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<210> 389

<211> 929

<212> DNA

30 <213> Arabidopsis thaliana

<400> 389
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50 <210> 390

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55 <400> 390

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   ggtgttaaga gagctcccaa tatgtgtgcc tctgttgga tccaaggcat cgcttgggct      180
   tttggtggca tgatctttgc tcttgtttac tgtactgctg gaatctcagg aggacatatt      240
   aatccggcgg tgacttttgg tttgttcttg gcgaggaagc tatctttaac cagagctctg      300
10 ttctacatag taatgcagtg ccttgaggct atatgtggtg ctggtgtggt taaagggttt      360
   caaccagggc tgtaccagac gaatggcggg ggagctaata tgggtggctca tggttacaca      420
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   cagatagtca tcagagctat tcctttcaag tccaagacat aaagtttcct acatattctc      780
   tgatcatcat caagctaaga atatatcaat cttaattctt atatgctttc ttcttgtttc      840
   ctatgtcatg tgtgatgatc tctatatgta ccactagagc tttgatcttg taacagtgta      900
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<210> 391

<211> 929

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(929)

30 <223> n = A,T,C or G

<400> 391

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35 acaggcccta gaaccatcac caaccaatcc cctaaaccga attcgactct taaccagcgt      180
   aaaccgccct taccgaatct atccgtctcg agaaccggtt caacaaagac agagaaagag      240
   gaagaagaga ggcactacag gggagtgaga cgaagaccgt ggggaaaata cgcgccggag      300
   attagggatc cgaacaaaaa gggttgtagg atctggcttg ggacttacga cactgccgtg      360
   gaagctggaa gagcttatga ccaagcggcg tttcaattac gtggaagaaa agcaatcttg      420
40 aatttccttc tcgatgttag ggttacgtca gaaacttggt ctggggaagg agttatcgga      480
   ttagggaaac gaaagcgaga taagagttct ccgccggaag aggagaaggc ggctaggggt      540
   aaagtggagg aagaagagag taatacgtcg gagacgacgg aggctgaggt tgagccggtg      600
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   tattcttgta taatataaag gtacgggtag tgtgcaaata tcaaataagt agtttaatta      840
   gtaccaatca nnntattcat tatttttttt agtagaatat ttggatgttg aaaatataaa      900
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50 <210> 392

<211> 928

<212> DNA

<213> Arabidopsis thaliana

55 <400> 392


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   aacaaaacag agtctcttct ctactagttc ttgggaatgt taactccgac gatttttagcg      180
   ggagtaatac gaagaagatt cccaggctta ccaggcaaag cacctttgat catgacaaca      240
   ttaagctcct tatcaacttt aacaatctta agcttcctaa tctttgtcct cgtccctccc      300
10 attcttccag gcatcttctt ccctttataa actcttcccg gagtagtacc agcaccaatc      360
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   cttttgatgc ctccttgaaa ccctttacca attgtgggtc cagctacatc aacgagatca      480
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<210> 393

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<212> DNA

25 <213> Arabidopsis thaliana

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30 <223> n = A,T,C or G

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35  tggtcgtcgt gaaactcttt gaggacattg agaatctgag cnnccattct cctgacacga      180
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50 <210> 394

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	attaatgctt	ttggttttct	agacggagag	gtctccttga	cagggaagct	gaaagcggtg	480
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	ttgaggaagc	tactggtgaa	cttcaacatc	ttttcgcaaa	gaattactat	agcaacaaaag	900
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<210> 395

<211> 927

<212> DNA

<213> Arabidopsis thaliana

30

<400> 395

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	tctctgtttc	atcaagggat	gtatgtatgt	tgtagactcg	tttttgacgt	attcggtgaa	420
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	ttctgtcacg	gatttgctat	gtatctctgt	ttctatcttt	ttttcttctg	cttgtctctt	780
45	cttgctctct	aggctcaatg	gttcacactg	aggagttaat	gggtgtgtcc	caaaacaaaa	840
	gaaactttgt	atgtgtataa	tgtttttagca	acgtccatc	ttctcttttt	gttcattata	900
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<210> 396

<211> 927

<212> DNA

<213> Arabidopsis thaliana

50

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20 <211> 926

<212> DNA

<213> Arabidopsis thaliana

<400> 399

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15 <212> DNA

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<210> 409

15 <211> 923

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(923)

<223> n = A,T,C or G

<400> 409

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35 taagcgcag ttagctgaaa acagtgagag gaactatcgt gagcttctga gaacaacgga 660
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gagagcagct gctagagng ccgaagcgac gtcgttacia gctcaattac accaagccgt 840
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<210> 410

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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

<400> 410

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55 cgagcgacga attccaatgg aaggaagaaa gaagaaagct tcgtcttcct ctcttctgtc 180
ttcttctctg ttaacctctg agcttttttg ttccagagaa aaccttctt ctcttctctc 240

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	tgttgataga	aacagggaac	aacaggagaa	tcatggttca	nnttatcagc	aggatcagag	420
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	gcctcaaaat	tccaccagca	actctacgaa	caagaaaagat	ggaggcgaag	atgattccgg	540
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	acttaagcaa	atgttataac	tacaaaatca	aggtacatag	gaacaaaaaa	agaatagagt	660
	agctgtggat	ccgtcgtttt	tagtaacttc	tcatcttatt	attacaaaaa	gtatggaaga	720
	agtttgaatg	tagcttagct	gcagaaagca	ggggagtgtg	ttttgtccct	tgctgtgggt	780
	tagtgattga	cccgaaccgg	tcagatttaa	ttttccctta	attttatagt	taaaccgttg	840
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20 <212> DNA

<213> Arabidopsis thaliana

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	gctaacgtca	agcgtatcaa
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	actgagcaaa	actctgacca
	ggctgcaact	accgtcaacg
	gaagaacaac	ggacttgctg
	tgcgacagag	agcttctgaa
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	cggagacgag	gaggtaacgg
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<210> 412

<211> 922

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1)...(922)

<223> n = A,T,C or G

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<400> 412

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	gaaccctttt	tgatgacttt	tcaggcaagc	aatcacacaa	tataaaagag	ccctagcttt	180
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	ttctcttcag	aaagcaatga	aattcttgtt	gagctgatca	tgaaacctac	cggaccgccg	300

5	tacactagcg	gctcttctcg	cagtgaacc	aaccgctcg	ggccgaatcg	atctctgcct	360
	aaccatttcc	acaaactcgg	gatcattaga	atgacctcgc	taccgaatcc	actgaatcat	420
	ttgatggat	cccgggaaga	atctcatctg	aactgacttg	aagacgaaga	aagggatcaa	480
	agcgaagaac	atcacgaaga	gagtggtag	ccagtaggat	ggagctggag	ctaaggcttc	540
	aatgaagact	ttgtaagcat	ctgtggagaa	gctaggagt	atggtccat	agatcatgag	600
10	gaagatgtac	cagaatgcta	ctgagcccca	tattacaatg	tggtggagcc	aagtgaata	660
	gcttatggct	aaagccattt	ggaggttgac	gaccagact	acgcaagtgt	acattgtccc	720
	gccgagaatt	tctctgccgg	cggttttgcc	attaggggta	tagagttggg	gtttgagaga	780
	ttccttgcac	aggaagaaaa	tggttagtgc	nntaaagact	ccgttgaaca	tccatccgat	840
	gattctcttc	cagctgaaga	gaagattctg	aactccttct	tggtatagca	acgggaactt	900
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<210> 413

<211> 922

<212> DNA

20 <213> Arabidopsis thaliana

<400> 413

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25	tcccacatat	atcttcaatt	cttctacccc	tttcttcttt	ttttcctctt	cctcatttct	180
	atatactctt	ctattataac	atacagctgt	aacaatttaa	ttcccacact	ttgatccccc	240
	taaaaaaagg	accaccacaa	aaacatttat	gatttttttt	ttttggggag	caatttttaa	300
	ataaaagaaa	atacagaaat	ctgtccctgt	aaatgatttt	tttttttttt	gtaagaaaaa	360
	taaacaagca	tgtgatgatg	agagagatgg	tggtagagag	aaaattatta	agcggaatct	420
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	tcacgatgtg	aggagaagtc	acgcgccact	tcttgattgt	cctgagttct	gtaaatgtcg	840
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40 <210> 414

<211> 921

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

<222> (1)...(921)

<223> n = A,T,C or G

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	gacagtggat	caacctctcc	caccgcgcgc	gtctccgtag	aggctcctga	gcccgtggaa	180
	gtgatagtta	aagagcctcc	ccaatcaaca	ccagctgtta	aaaaggaaga	aaccgccacc	240
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	caagatgcga	ggtggattaa	tggaacttgg	gatctgaaac	aattcgagaa	agatggaaaa	360

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atggggaatt tcttctgcaa gacactattg tttgtggctg tggccggagt tttgtttatt 660
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<211> 921
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25 gtcagagtct cacggaggat gaatatatcg ctttatgtct catgcttctt gctcgcgacg 240
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<223> n = A,T,C or G

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10	cccagtgcct	gcagcaatca	aagttttggt	tcacagacca	gatagcaatt	gctgtagctt	780
	ccttggctaa	aacaggatgt	ccttctccag	ctaatttcag	agcaaaagt	aatatctgtt	840
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	agagacgggt	gatctgaagc	taaatctgaa	taatgagcct	gcaaacaagg	aaggatctac	240
25	gactcatgac	gtcgtgactt	ttgattccaa	ggagaagagt	gcttgtccta	aagatccagc	300
	caaacctccg	gccaaaggac	aagtgtggtg	atggccaccg	gtgagatcat	accggaagaa	360
	cgtgatgggt	tcctgccaaa	aatcaagcgg	tggcccgagg	gcggcgccgt	tcgtgaagggt	420
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<210> 419

10 <211> 920

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1) ... (920)

<223> n = A,T,C or G

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<211> 920

<212> DNA

40 <213> Arabidopsis thaliana

<400> 420

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10 <212> DNA

<213> Arabidopsis thaliana

<400> 421

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25 caaagtccc aggagcagaa ccgtcaaggt aagctggctg tggctcgcca ggcattccagt 720
gagcagccat tctgatacga ccaacattcc cggcggttgg gactggaact ccggcgagata 780
cgaatttaga cttggaagaa gagagaagcg aagggtacac ggcggtctatg ccacagctca 840
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<210> 422

<211> 919

<212> DNA

<213> Arabidopsis thaliana

35 <400> 422

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attgaaattt tatctaacat gcatgtagta tagaaggcgg cttcagtgat gtctaagcaa 180
40 accgggagga acggaaaagg actggtttct tcattagcgt tgcaggccag ctttgatgta 240
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45 accaatagca cgggcacgga ggaatgatcc ggtagcaca ggctcctgca tcagtaccag 540
gacatccatt ggatcactgt cttcacagat agttcgaggg atgaaaccgt agttgtgggg 600
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50 tgcaaaagtt ctctcattca gcgtaacatt agggttcctg agagggaaag catagccctt 840
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caatcgcgaa accgaagca 919

<210> 423

55 <211> 919

<212> DNA

5 <213> Arabidopsis thaliana

<400> 423

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10	tagcatatac	actaagcaat	tacgagctgt	tcgattacat	tcaaggcgct	tggaactaag	180
	tttggcgggtg	aatgattaca	ccaaagcaaa	gataactgaa	agaattgagc	catggattag	240
	aagagagctt	caggcagtc	ttggagatcc	tgatccctca	gttattgttc	atcttgcgtc	300
	agctcttttc	atcaaaaggc	ttgagagaga	gaataatcga	caaaccgggc	agaccgggat	360
	gttggtggaa	gatgaagtct	cctctcttcg	aaaattcttg	tctgataagg	tggatatatt	420
15	ttggcatgaa	ctaagatggt	ttgaggagag	tatactcacg	atggagactt	atgatgcagt	480
	ggttgaatac	aatgaggtgg	agtaatatga	gtaaaaaaa	cagataaccg	agcactatgc	540
	tctcgtcaaa	tgaagtaaat	agacagactt	acaacgcgac	tgttgggtgc	ttggaagttc	600
	aatagtggaa	agactggacc	aagtaagaga	aaccaagagt	taaagagtag	gtaggaggaa	660
	gatgttgaga	tgatgcaagt	ttaggtgtgg	agttagtttt	gagatagcta	taggtggatt	720
20	ctcaaatagc	tgacacttag	tctctctact	tccataatgt	acgtctcttc	tataccaaaa	780
	attctcaccc	ccaaagtttc	tttccaacgc	ttttcttcac	ctcatcattt	tttcttacgt	840
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25 <210> 424

<211> 919

<212> DNA

<213> Arabidopsis thaliana

30 <400> 424

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	ggccggagtt	ttcaaaacgg	ttacgtttct	tgttttgggt	ttcgctgccg	ttggtgtctt	180
	cgcggaggac	tacgatgttg	gtgatgatac	ggaatggacg	agacctatgg	accccgagtt	240
35	ctatactact	tgggctaccg	gtaaaacttt	ccgtgtaggc	gacgagctcg	aatttgattt	300
	cgctgctggg	aggcatgatg	tggcagttgt	atcagaagct	gcatttgaaa	actgtgagaa	360
	agagaaaccc	attagccaca	tgaccgttcc	tccgggtcaa	attatgctaa	acaccactgg	420
	accacaatac	tttatctgca	ccgtcgggtga	ccattgtcgt	tttgggtcaa	aactttccat	480
	cactgtagtt	gctgctgggt	caactggagg	tgctactcct	ggtgccgggt	ctaccccagc	540
40	acctggatca	accccaagta	ctggagggaac	cactcctccc	actgcgggtg	ggaccacaac	600
	accttcaggc	tctagcggaa	ccactactcc	agctggaaat	gccgcttcct	cattaggtgg	660
	tgctactttt	ctggctcgctt	ttgtttctgc	tgttgttgct	ctcttttgag	tcacactcga	720
	aacctagtta	tgtatttggt	ttaccttact	ctccttattt	aaatagtcac	gtatttgatt	780
	atgtgtgaga	ataaggactt	gttttcaagt	cattataaac	gtcttatact	tgtgattagt	840
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<210> 425

<211> 918

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(918)

<223> n = A,T,C or G

5

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ctgcatttag aaagtattag gctgttttagc ctgagagatc atctggacaa cctctctcat      180
10 ggtcgggtctc tcaacactat gttcttgcac acatagcatt gccacaaaga acagttccat      240
ggcctctgct aatggaatat tgctcaatct ctggtcaatg atcttcacca caccttgtct      300
gttacagttt gtttggatct ttgaccattg cacaatgtct atcccttctt ccccaaaatt      360
atctactggt tttcgaccgg taatcagctc caataacact actccgaagc tgtacacatc      420
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15 agcgatcgag gacatgcact cggaagctcc attgtcttgc atcataaaact tagcaagccc      540
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acggtggatt ataagtggcg agcaatcatg gtgaagataa cacaaccctt tagccgcttc      660
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ttctccgagg ctaccattag gcatatactc gtaaacaaagg agattcacgt ctttgtttga      780
20 acaaaaagcg agcaatctca ctatgtttct gtgtctgatt ctacctaag tctgaatctc      840
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25

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<210> 426
<211> 918
<212> DNA
<213> Arabidopsis thaliana

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30

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<220>
<221> misc_feature
<222> (1)...(918)
<223> n = A,T,C or G

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35

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tgaacaatga gcatcatact aaaaagtgtg aaaactatgg tttctgagtt ttgaaaatgc      180
tacaagaata tcataagatg agggaggttc atatcactta agtaactgtt gcagttatct      240
cacaaaagtg ttgtcgtcgt cgcgcggttt tagcggatta ttttaaaata caagagacgc      300
40 tgattcatca gtggaaaaca aatcctccgc ccgagtgttc aacttcttga ggagggggta      360
gagatgaaac ccaatctgat gcatgtgttg gaagaagccc caaagtgtta agcttccaga      420
cacccaaagc tagccctcca aggtttaggg caaggaacac taatttcggc ataagtagtt      480
ccactttgtt atccttgaat ggctcaaaaa tctttccaac actctgaaga gcactgatag      540
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45 tccacatcat gaaaccatc atcatcaaat tcttaaattg agattgcgt acttcccacg      660
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cctgtnnnnn agaggcacga gagaagccag gtggatcgag gatgtcacgg gaagatggaa      780
cagtagattg atcggagaat tcgacggccc atctccgacc agtaccatc actgctttgc      840
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55

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<210> 427
<211> 917
<212> DNA
<213> Arabidopsis thaliana

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5  <220>
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   <223> n = A,T,C or G

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   ggacgagcct accaagtggg ctttatacag agccgtcatt gccgagttcg tagccactct      180
   cctcttcttg tacatcaccg ttttaactgt catcggttac aagattcagt ccgacacaaa      240
15 agccgggtgga gttgactgcg gcggcgtcgg aatccttggc atcgcggtgg cttttggtgg      300
   catgatcttc atccttgtct actgcaccgc cggatatctca ggtggtcaca taaaccctgc      360
   ggtgacgttt ggtttgttct tagcccgaa ggtatcgctg attagggcgg tgctttacat      420
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   gatattctgg gtgggaccat tcattnnagc tgcgatagct gcattttatc accaatttgt      840
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   <210> 428
   <211> 917
30 <212> DNA
   <213> Arabidopsis thaliana

   <220>
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35 <222> (1)...(917)
   <223> n = A,T,C or G

   <400> 428
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   ttctgtttct attgttccgg gaacagagga gggttatact ggaaaccctc cgtctagaac      180
   cggaatcttg gtgatactgg atagaatatc caagtcctct tttgttggcg catggagaat      240
   ttatttcaat caagaagttg tcctccccgg ggtttctcta gctctcttgt tcttcaccgt      300
   cctcagcttt ggaacattga tgacggctac attgcagtgg gaaggatata ctacatatat      360
45 catcggtata ggcaggggaa taagtgaac ggttggaact gcggtacat tagtgatatc      420
   gctaatacaa tcgcgtctct caactctgag aaccggcctc tggtccttct ggtctcagtg      480
   gagctgcctt ttggtctgcg ttggatcgat ttgggttaaa aaggataaaa tagcatctta      540
   catgctaata gctggagttg ctgcttcaag gcttggcttg tggatgtttg atcnnnccgt      600
   catccaacaa atgcaggatc ttgttncaga atccgaccgt tgtgtggttg gaggtgttca      660
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   tccaaaggat ttttggatat tgacgttgat ctcattctcc acagtatcgt tggcaggaat      780
   gctctataca attcaactct accgcataag aaaccatatt tttcatcttg agaagattct      840
   tttgttgaac aaatgtttat tcaagttgct cccttctcgt ggaaacgtgt aattcataat      900
   gttgtggaat gtgccac
                                     917

55 <210> 429

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5 <211> 917
 <212> DNA
 <213> Arabidopsis thaliana

<400> 429

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	gccggcgaga	aacaatgatt	gcaaggattt	ttcttggacg	gcaccaagag	ttttagttaa	180
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15	acaactctgt	catgtgactt	gatcactccg	gcttgcttcc	catggtctag	agccacttta	360
	agaaccgact	catttggttg	acttggtgat	tccgcagggt	gacgaggatc	agcaagcatg	420
	gggaaaagac	ctctgacaat	aagtgactgc	cttgccctcaa	aggctccgct	aaagctccac	480
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	tctccaacat	acttgacagt	cttcttaaag	aacaaatctt	ggttgaaaac	tttctctgcc	720
	tcacaacaga	ttctaccaac	agttgatatg	gtttcaacag	ggtacaatcc	acgaagagtc	780
	tcagcaccaa	gaagaattgc	atcacttcca	tctaaaacag	cattagcaac	atcagttgcc	840
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<210> 430
 <211> 916
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(916)
 35 <223> n = A,T,C or G

<400> 430

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	ttgttacact	aaaagaattc	attttgaaga	atacaaaaac	aagcttcgta	ggttcttgtc	120
	taaaatcagt	cattgaaaat	cagaagacga	tgaagatggt	agatcaggat	cttcaaactt	180
	attaaacctt	ttccgagtcg	ctgcatcggt	gctaattgcta	atcccatgct	gctttctacc	240
	atacgagtct	tcgtttatgt	aatcttcata	ctcatcatca	acaacattca	catccatttt	300
	catgttcatg	tcttcttctt	cttctctctt	ttcttcgtat	tcatcatcac	tatgtaagct	360
	aaattccccc	ctacctacta	atttacttga	ttcgccgccg	ccatcaaaaat	catcaatcgg	420
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	ccggccacgt	cctcgtgggt	gtcgacctcc	tctcccagag	ctagacacac	cacctaaacc	840
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55 <210> 431
 <211> 916

5 <212> DNA
 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 431

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	caaaacacca	aacaaaaaac	agagaaagtg	aaagcaagaa	cataaacgat	gatataaaaa	180
	ctacgatcct	cagcctcttt	cttcagtact	tgtaatcctt	aacgtgaagg	ctctcagctg	240
	caccttcacc	gagcttagca	tcacccttgt	aagcaccaag	tggtgcttca	gagttagctt	300
	tgcattctgac	caagaacgct	tcttgagcct	tcttcacatt	ctcctctttt	cctccccaag	360
20	tcttcaaagt	gctctgctgc	aacgcccttc	caaaggagaa	agacaacgac	caaggcttct	420
	ttgtcttcaa	ctgggttcac	gcgttaaggt	ttcttgtcgc	ctcttcctcg	ctctgtccac	480
	cagacaagaa	cactatggct	ggaacagcag	ctggaactgt	cctctgaaga	gcacggacag	540
	tgtgctcagc	aatcacctct	ggtgcaacct	tcgcactctc	tgatcctgga	gtaaccatgt	600
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	ccaatccata	agcgttctca	tggatagcta	actgagatgg	ctcattaaca	ccaatcttaa	840
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	caagaccatc	aagacc					916

30

<210> 432

<211> 916

<212> DNA

<213> Arabidopsis thaliana

35

<400> 432

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	atcaaaccga	atcttctata	tacacataag	ctgtgaaaga	tcgagagatg	gtagaattaa	180
40	aaagacgatt	ttaacctcat	caaatcggtg	gaggagctga	gccgtaggag	gagagaagct	240
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	cttctagaat	caccggtacg	gattgtttac	cgcaaccggg	aactaaccgg	cctagaacac	360
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	tgctccagag	tgttcttccc	cgagcggaaa	cggcaagagc	tcgatcggcg	gcttcacgga	600
	cggcctttcc	tcgtttctga	gccgttgagg	atgatgatgt	tgaggcggaa	gagttgaggc	660
	ggacttggtg	gagcgcttgg	aacagtttgg	ctgagtagat	ccgttggtgc	ttctccgac	720
	gccatcgogc	gtgaatctca	ccggagacgg	aagatgcgct	tgaacgagac	gatgcggcgg	780
50	atgaagcaga	ggatctcttc	tttctccgaa	cgagatctga	agtagtactc	gtcggcgggt	840
	caatatctga	gatcagagac	gccataacca	aataattggc	tctgatctcc	gcagtcgtat	900
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<210> 433

55 <211> 916

<212> DNA

5 <213> Arabidopsis thaliana

<400> 433

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10	aggattgaca	acgcaggaag	gggaagacag	gattgtgata	tttgcccca	acaagctcga	180
	agagaagaag	gaaagcaaaa	ttctgaagtt	tctgggggtc	atgtggaatc	cgctttcatg	240
	ggttatggaa	gctgcagctc	tcatggccat	tgttttggt	aatggtgata	atcgacctcc	300
	ggattggcaa	gattttgtgg	gtattatctg	tctgcttggt	atcaactcca	caatcagttt	360
	cattgaagaa	aacaacgccg	gaaatgctgc	agctgctctc	atggctggtc	ttgctcctaa	420
15	aaccaaggtt	cttagggatg	gaaaatggag	tgaacaagag	gctgctatcc	ttgtcccagg	480
	tgatattggt	agcattaaac	ttggagacat	tatcccagcc	gatgccgctc	ttcttgaagg	540
	agatccttta	aaggttgatc	agtctgctct	aactggagag	tcccttcctg	tgaccaagca	600
	ccctgggtcaa	gaagttttct	ctggttcaac	ttgtaaacia	ggagaaatcg	aagcggttgt	660
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	tgctattggt	atagcgattg	aaatagtcgt	catgtaccct	atccaacacc	gaaagtacag	840
	agatggaatt	gacaatctct	tggtcctctt	gatcggtggg	atccccattg	ctatgcccac	900
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25 <210> 434

<211> 915

<212> DNA

<213> Arabidopsis thaliana

30 <400> 434

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	aataggcagc	tatgttcac	atctctttcc	ttttccttta	gcatcaaagt	gatgagactt	180
	tagttttctc	ttccgcacta	tcgcgcctgt	gctgccacca	cctccttccc	tgaaaggcat	240
35	tcccattaga	gccaatagtt	tctgtccttc	ttgatcgctt	ttagccgttg	tgctgatgca	300
	tacatccatt	cctctcgttt	ttccaacggc	atcaaacctg	atttcaggga	atacaccttg	360
	gtctttcaca	ccaatactgt	agttttccgt	cccatcaaag	ctactgggac	tcacaccttg	420
	gaaatctcga	gttctcggaa	gggctaagtt	gataagacga	tccaagaagg	agtacattac	480
	atctcctctg	agagtgcag	caatcccaag	agggtgatct	tccttgatct	tgaaagtagc	540
40	aatggaagct	ctagctcgtg	tcttaatagg	tttctgccct	gtgataagcg	cgatatcctt	600
	catcgcagcc	tccaaaccct	tgtcgttctg	cgccgcacat	ccaataccac	aattcactac	660
	aatcttctgt	acctttggaa	cctggtgaat	attaacgtac	ttgaactcct	ctttgagcgc	720
	agggataatc	ctctcgaggt	aagcggtttt	gaggcggttg	gttttctcgg	cttcagattt	780
	ctcgaccagt	acagttccag	acgccgagac	tttcaccacg	tttctgagcg	gaggagagag	840
45	cattcgtgcg	gaggatggag	ccgctaattg	tgagaaacgt	ccgtgaaacg	aagaagcgga	900
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<210> 435

<211> 915

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(915)

<223> n = A,T,C or G

5

<400> 435

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	gcgaccacga	ccagacatcc	aaggcacagg	gctggatgct	cttgcacgtg	gtgcattcag	180
10	ccaccaagtg	ggaaaggtag	gcacaagcct	acatgtggct	gcactgtgtg	tagcacccgtg	240
	aagagaaggt	tcaagacgct	tatgatgagg	aggaagaaga	agcagttgga	gcgcgatgta	300
	acagcagcag	aagataagaa	gaagaaggac	atggaactgg	ctgagtctga	taagagtaag	360
	gaggagaagg	aagtgaacac	agcgagaata	gacctgaaca	gtgatccata	caataaagaa	420
	gatgttgaag	ctggttgcgg	ggagaaagaa	gagagtcgaa	aaagagcaat	aggacagtgt	480
15	tcgggcgtgg	tggctcaaga	cgccagtgat	gttttaggag	ttacagagtt	agaaggagag	540
	ggtaagaatg	ttcgtgaaga	gccgagagtt	tcaagctgat	atggaaggaa	aaagggaaaag	600
	ggtaaannc	aaagtcatag	ccagttttat	taatattgctg	agaccaagag	taggagaaga	660
	agaagagaaa	gagagagaga	gagagagaga	gagaagtaca	gttttgtgtt	tgattctgtc	720
	atagttgtag	gaaaaataag	tttctggttc	taaacagcga	caatgtccca	tcttttgnnn	780
20	tttgtttttg	tttttgtatt	tttatgggat	cgtgttgagt	ttgggggtta	tagtatgtct	840
	ccattaatct	aggttttgtt	gtagaaggca	aatggagctt	tgtgcttggt	gatgaaacag	900
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<210> 436

25 <211> 915

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(915)

<223> n = A,T,C or G

<400> 436

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	ccacgcattg	ttagcaacag	ggttgtcaag	atgggtcaagg	agattctcca	aaggaccttt	180
	tccagtaaca	atggcttgaa	caaagaagcc	aaacatagag	aacatagcca	atcttccgtt	240
	cttgatctct	ttcaccttaa	gctcagcaaa	agtaactgga	tcatcagcga	gacccaacgg	300
40	gtcaaagtat	tgcccaccgg	ggtacaagtc	gttgcccttcg	ccaacacccat	caagaccggt	360
	gatgcggaaa	ccttcaacca	aacccatgag	gatgacttgg	aagccaagga	cggctaaaat	420
	gctctgagca	tggactaggt	ttgggttgcc	taagtagtcc	aaaccgcctt	cggagaagat	480
	ttgtgaaccg	gctttgaacc	agactggttc	tttgaagtcc	acacggaccc	acttttgaag	540
	aacttcaggg	gttatgcaac	caaaagctcc	caacattgcc	catctcccat	ggatcacctc	600
45	aagagctctg	tttttggcaa	gggcttcagg	gnnngcggat	aaaccngcgg	tgtcccaacc	660
	ataatcgcca	gggaattctc	cggtgaggta	agacggagtt	tgaacggaaa	agggtcctaa	720
	gtacttcact	ctgtcaggtc	cataccaaaag	atcatttccc	atagtgtact	tgggagatcc	780
	gagagagaca	acatcacgaa	gggggttaaa	gcttgaggct	ttagtctggc	caaggaatgt	840
	tgttggggta	agaacactgc	ttgagctcgt	gaatgttgat	gccattgtct	ctctcggcct	900
50	gagcttttct	ttttt					915

<210> 437

<211> 914

<212> DNA

55 <213> Arabidopsis thaliana

5 <400> 437
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ttccatccta ctgatgaaga acttggtggtt caatacctta agaggaaaagt ttgttcttct 180
cctttgccag cttcaatcat ccctgagttt gatgtttgca gagctgatcc ttgggattta 240
10 cctggcaatt tggagaaaga gaggtacttc tttagcaciaa gggaaagctaa atacccaaat 300
gggaaccggg ctaaccgggc aactgggtct gggtattgga aagctaccgg tattgataaa 360
cgggttgtag cctctagagg aaatcaaate gttggttga agaaaactct tgtcttctac 420
aaaggcaaac cacctcatgg ctcaagaacc gattggatca tgcacgaata tcgcctctct 480
tcttctctct cgagttctat ggggtccact cagaactggg tactctgtcg tatcttcttg 540
15 aagaaaagag ccggttaacaa gaacgacgac gacgacggag atagccgtaa tcttagacat 600
aataataata acaattcgag tgaccaaatt gagataatta caacagacca aacagatgat 660
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tcttccgatg aagagaccag tagttgcaat agtttcagat gaaatcttta atttaatttt 840
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taaaaaaaaa aaaa 914

<210> 438

<211> 914

25 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

<400> 438

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ccatcaggca gccatggta cggatccgac cgagtcaagt acttgggtcc attctctggc 180
gagtcaccga gctaccttac cggagagttc cccggagact acggatggga caccgctgga 240
ctttcagctg atcccagac attcgcaagg aaccgtgagc tagaagttat ccacagcagg 300
tgggctatgc tcggagccct aggctgcgtc ttccctgagc ttttggctag gaacggagtc 360
40 aagttcggag aggcggtttg gttcaaggcc ggttcacaga tcttttagcga tggaggactc 420
gattacttgg gaaaccctag cttggtccac gctcagagca ttttggccat ttgggccact 480
caagttatct tgatgggagc tgttgaaggc tacagagtcg caggaaatgg gccgttggga 540
gaggccgagg acttgcttta ccccggtggc agcttcgacc cattgggtct tgctaccgac 600
ccagaggctt tcgcgagatt gaaggagaag gagctcaaga acggaagatt ggctatgttc 660
45 tctatgtttg gattcttcgt tcaagccatt gtcactggta agggaccgat agagaacctt 720
gctgaccatt tggccgatcc agtcaacaac aacgcatggg ccttcgcaac caactttgtt 780
cccggaaagt gagccaagtt ttatcagttt gtattttgct tnnctttcag tcttttgaat 840
tcgagtgaga gacatgagga gaaagagaag gttgtatgtg atgggttgag acttttcagat 900
gtaaatttgc aaga 914

50

<210> 439

<211> 914

<212> DNA

<213> Arabidopsis thaliana

55

<400> 439

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   catcctaata ataaagtaaa caaataaatt tgttgggtact atagtcacaa acgggttactc      180
   ttcaacttgg taccaggaaa tgtaactagg tgtttcagtg tgcaggcatt atttcttacg      240
   gaatgctcat cactactata gctttaggct ttatctggca ggaggaggag ggccaagggg      300
10  ttttgccatg ccaacccaag caacaatccc acaagcgaga attatccaac cgcatacatc      360
   ataagtgaat tcagtgttcc tcttcttctt cttactactc tggctaacat tagatgaagc      420
   cattcctcct ccacctcctc ctctcctcct acctagtatt tgctgtccca ttccttgatt      480
   cataaactgc atatgcagtt cgggggcctt tagtgaggaa tccaaggact tgcgatatgt      540
   gtcattacct ggatcctcat tttctgctct ctggaaatat tcagtggctt tatcaaagtg      600
15  ctcttttgc tcttcaggat cgtgaacata aaacgcgtgg gcggtgtacg cgttggcaat      660
   acaccaaaaga gcctgatgct tccctggatt tattgtcaag gcctcttcca acttggaaat      720
   agcatcattt aacatgagct tagcttcagg aataggctgg aactgtgaaa gttcaagtaa      780
   agctccaccc catttcagca gattctcgga atcaagagga tcgttcttgt actgagcctc      840
   agaatttttg cgagcatgtt cgaacatgat aaacctttca aagtcggcgg tagagaactc      900
20  catcttcaga ttca                                     914

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<210> 440

<211> 914

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(914)

30 <223> n = A,T,C or G

<400> 440

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35  ttgaaacgat ttttgggat caataatata ttaatgatta gctaataagg tatgtgacgt      180
   gcatagcaca gtttcaaaca catttaattc aacaatgggt gtcgctgcgc agcgactggg      240
   acatgtggac ggtcaatgag gacattctcg tagatgaaac cggcgagtc accaccgatc      300
   aacggtccaa cccaatatac ccaatgggtc gtccagtttc cagagaccaa agcggggacca      360
   aaagaccggg cgggggttcat ggaggcgcca gaaaaggcac ctcttgcaag gatgttggct      420
40  ccaacgacaa atcctgtgag aagtgggccc aacctatcaa gggatccttt ctccggatcc      480
   acaatagtgg cgtagacagt gaagagaagt gaaaatgtta agatgatctc ccatatgatc      540
   ccttgcggtg aactcactcc acttgccaat gtgtgaaccg gagttcccat tcctccggtg      600
   aggtaactga ggaggaagca tgctgcggag gaggccaaca attgatcaat ccaataaagg      660
   aatgcacgga atacgctgat gtggccaccc aagagtagac cgaggggtgac ggcgggggtt      720
45  aggtggccac cggagatatg gccnnngat atcattaccg ccacnnngaa tgcgatgagc      780
   accgcgaccg cgaaaagtcc caccaatgtg tttccgacta aactgtcagt ggccatggca      840
   gatccaacac cagcgaagac aaagagaaag gtagtgatga attcgacaat gagggcttta      900
   atgcagtccg gttt                                     914

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50 <210> 441

<211> 913

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

5 <222> (1)...(913)
 <223> n = A,T,C or G

<400> 441

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	gcacagcgag	aagtttagctg	ttgccttttg	ttgcataaaa	ctccctgaag	gttcaccaat	180
	acaagtgttc	aagaatttga	gaatctgtgg	tgattgtcat	aaagcaatca	aattttatttc	240
	ggagatagag	aaacgagaga	tcattgtaag	agacaccaca	aggtttcacc	atttcaaaga	300
	tgggtcttgc	tcttgtggcg	attactgggtg	aaaagagaag	agctttgact	ctctcattgg	360
15	tcaaacctga	ctgtatttat	atgcgttatt	gtgtggtaaa	gtttcgacct	ttgactttac	420
	aagttggcgt	taagaagaga	gatgcgtaga	tcagcgagtg	gttctagatt	tttggatcat	480
	tttccggcga	cttcaaggtc	tccgcctcga	tctcagagtg	ttacagctat	ggaagatgat	540
	gtggagctgc	ttttgcctag	gtacgatccg	aattcacaag	cggggaagag	agagaagtca	600
	agattcagat	ttgcagaaaa	cgncnnncat	ttgattcctc	tcattcttct	tctctgtgtt	660
20	nnnatnctct	ggctctcctc	ttattcagca	gcgttaagga	gttgagttca	agaagcaaca	720
	tgttgtcttg	tctccatgga	aactcatcat	attcagtttt	gggaaaggaa	acaattattt	780
	taccgccggt	gattatgtgc	cgcaaaccat	acgtaactct	tgtaattttt	ggttctgtag	840
	acacataaaa	ggatctctcg	ttttcatgaa	atgtatgttt	aatagttcac	tataaaaaaa	900
	aaaaaaaaaa	aaa					913

25 <210> 442
 <211> 913
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 442

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	acctcaaggg	cgctcgtgacg	gagatcatcc	acgatcctgg	tcgtgggtgct	cctcttgctc	180
35	gtgtcacttt	ccgtcatcct	ttccgtttca	agaaacaaaa	ggagctcttc	gtcgccgcgcg	240
	aagggtatgta	caccggtcag	ttcttgtact	gcggtaagaa	agctactctc	gtcgttggaa	300
	atgtttctccc	tcttagatct	attcctgaag	gagctgttgt	ctgcaacgct	gagcatcacg	360
	tcgggtgatcg	tggtgtcctc	gctagagctt	ctgggtgatta	cgccattggt	atcgctcaca	420
	accctgacag	cgacactact	aggattaagt	tgccatcggg	ttcgaagaag	attgtcccaa	480
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	tcaaggcagg	aaacgcgtac	cacaagtacc	gtgtgaagag	gaactcatgg	cctaaggttc	600
	gtgggtgtggc	tatgaatcca	gtggagcatc	ctcatggagg	aggtaacat	cagcacattg	660
	gtcacgccag	tactgttagg	cgtgatgcac	ctcctggaca	gaagggttgg	cttattgctg	720
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45	gttaaaagag	ataaactttg	tttctcttgt	tttctatgtt	tcaagttttg	ttgtctgtgt	840
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50 <210> 443
 <211> 912
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 55 <221> misc_feature
 <222> (1)...(912)

5 <223> n = A,T,C or G

<400> 443

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10 ctccctcgggc acctcctccg agaccactga tcagaattgg gttaccggaa ctctagcggg      180
tatgggtagt atcaccactt gggcagggtt cttcattcta caatcgttca cggtgaaaaa      240
atatccggct gagcttttcg tagtgatgtg gatttgtgcc atgggaacgg tcttaaacac      300
catcgcttcg ctcataatgg tgcgcgacgt aagcgcacgg aaagtcggta tggactcggg      360
cacacttgcg gctgtttact ccggagtggg ttgttcgggt atggcgtatt acatacaaag      420
15 cattgtgatt agggaacgag gtccgggttt tacgacatcg tttagtccta tgtgcatgat      480
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cggnnccgann nttatcgtct tcgggctata tagcgttgtg tgggggaaaag ctaaggacga      600
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20 agtghtaacc caataaagca attaaagaga atttttgaag accaaatttc caagaaagga      780
aatttgtttg tctttcttgt ttgtnttatg ctgtttacat tttcaagtta tctgtgttga      840
ttcaactata taacgaatgt tgtatatatt ctgtaattgt cgaatatcac ggaagttgaa      900
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25 <210> 444

<211> 911

<212> DNA

<213> Arabidopsis thaliana

30 <220>

<221> misc_feature

<222> (1)...(911)

<223> n = A,T,C or G

35 <400> 444

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aataaattat atgtatttgt atgtgtttgt agaatgatac aataaaaatt taaccgaagt      180
agttgttctc actttcaatg ttgccgtatt ctaagtctct tgtggttggt tgagagaaaa      240
40 cacaagaaga tggagaagga ggatgagccg ttgtagggtg tgggtggagt gttggtcttt      300
gtggtggtgg tgcaatcacg gaaacaccgc cggagtgtg aaatccggca acttgggagt      360
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45 ggcactctgct ctctggctcn caggtaactt cattagcatc ttggagacgt tactagctcc      600
aaagactttg tggacggaag cgaacttatg aggctcgtgt ggggagaaat atggcgaaaa      660
gggacattct tgagcacatc tacggcgcaa aagcttgacg gcagcacaag gcgtaattgt      720
attgaggggt ccgggaggac ccgacattgg tcttctaatt ccagccattt gatgaggcca      780
agcatctgct tctcttttga tcttcttccc tatctcttca aatctctccc tttctcttga      840
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agaaagaaac a                                     912
```

<210> 445

<211> 911

55 <212> DNA

<213> Arabidopsis thaliana

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5      <220>
      <221> misc_feature
      <222> (1)...(911)
      <223> n = A,T,C or G

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      ccaagtaata gtaaaacaga cacaactat atatggaaca tgtggacaat gaaactagtt      180
15     cgcctttcct tgtttccctt ttatcagacc atcttgact tgggatgtga cggcaatagc      240
      tgataacaag agataagtga tgaggcgaat ccgaaagcac ctgtgactcg ggnnntgact      300
      ttctttgggg ccaattgaag caatccgaaa gcaacaacta catccatccc tgctttgatc      360
      agagccaatg acctctcggt tgatttctct acttttgcac ggtattgtct attctggtgt      420
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20     tccccaacct caaccaagga tgtgcaaacc gaagaacca tccaacagaa aagtgatata      540
      cgtccaagaa tctcagcacg ttctttgtcc ttgtaaatcc cagtcctgcc aagccacaca      600
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      agcgggagtg gagtcccttt gggaacaggg ctaatgagag catgaagatc attacaaac      720
      ttgaagagac ggaaaacttt cctagccaag ctggtgttct tgtcgacatt ttgagcagtg      780
25     ccagggttggc catcactcaa gaacttgaa ccatattgaa tagctcgaca aatcttgtct      840
      ctgcctccg ctttattcaa atacacaact accagaccaa gtcagctct tgtggtctca      900
      aggggtactca t                                     911

      <210> 446
      <211> 910
      <212> DNA
      <213> Arabidopsis thaliana

30     <220>
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      <223> n = A,T,C or G

      <400> 446
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      gcttgtttca gatgaagcgt cagagcatag ttattcacct cttaaagtct caactgttcc      180
      tggatttgag tgactagctg cctcagatgc tgcaattcct gactttgggtc ttccgattct      240
      ctttgccgct tctgctgtgt cactaccgct cgtttcagta aactgttttc ctgtacaata      300
45     gcttctaatt gctgcttcag catcatgttt tcctgttgga gattttgcat tgcgtcagta      360
      ccagtacgtg cattaattga cttctccaaa gcttnnaatg ctcttgacgc acgggctttg      420
      gcgtctttca tgtcagaagc attcatcatt tccctaacia aaagctcaac ccactctgta      480
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50     gattctaaac gaagctgatt caaacatcta atggtgaat caaggatcct tccacattcc      660
      tcgattgccc tctcaagaat ctgcttatcc atatcgggga aaatcgcggc gaggtgatcg      720
      agaagaagtg aggaagaagg aggaatcgga ggagaaaaac gagacgaaga agatgaagaa      780
      aagcaacgga gtttcttgga gacgggagga gaagcggcgg ctaagtcttc gaacagagat      840
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55     gatctctcaa                                     910

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5 <210> 447
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 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <223> n = A,T,C or G

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 atctagggat gtcaaggcaa actcgtttta tagcttaggt gtatgaacat tctgtttatt 180
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 gaactgctct tgtcgttga gcttgaccaa tcacatcatc aatatgggat atacttccat 420
 ggattgaagc tctctccctt aacacntgca cacctgggtga cactactacca gaagccttat 480
 attcacttat gtcacccctg acagaactca gaagctcagc gtgttctctc aacgagttaa 540
 25 tatttccttt tattcttoga aactcctggg tatattcatg aagtatatcc ctgtgccttg 600
 ctagtttttg agtaaccgat gttgtgggtg cagcagatgc agcacatcta ctcatggaat 660
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 cgcttagctt agcgtaagaa gagagcttaa cgtctagatc tccttcaatt ttacgagctt 840
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 35 <212> DNA
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 tgagttgggtg acagattcag acaaagtact tttgaacttg ctttcatatc ctctacacgc 180
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5 aacaaatggc acaaagaaat ttgtagatta taatgtatca gcaaagcaaa cttaggaaca 840
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15 <221> misc_feature

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<223> n = A,T,C or G

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25 cgagtccatc ttgaacattc cagctccaaa tgtgtagcct attggtacaa atagcatccc 360
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gccagtgtc acaaagaaac cagcaggctt accagcaaga ctctgctcct tccacaatga 480
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40 <213> Arabidopsis thaliana

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45 <223> n = A,T,C or G

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5	accatattgg	atccccgaag	ttgtttcatt	gaagacactt	agcatcacaa	actgtaacaa	600
	gctctctcaa	cttcacagaag	ctatagggaa	cttgagtaga	ctagaagtgt	tgaggatgtg	660
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<210> 451

<211> 909

15 <212> DNA

<213> Arabidopsis thaliana

<400> 451

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	ctcaacatac	acatacacac	acattcacac	gtaaagatta	cttctgcttt	cagttagttc	180
	cttggcttat	taaaccaaga	tttctcttga	tcacatgcc	ttttccaagc	ctctctactc	240
	gtaatctcat	ccaccacttt	acgcacttta	gatctttttt	cgaacaattt	cttcggttga	300
	gttcccaaaa	ggtattgtat	gtttggtagg	tgatgaagat	caaccaaagt	aaagctatta	360
25	caagccaaga	atctagattc	ttcgagtcgt	ttctcgtaga	tatttagaac	tttctctaga	420
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<210> 452

<211> 909

<212> DNA

<213> Arabidopsis thaliana

40

<400> 452

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	aatcaaacca	aaaagggttt	ttcattcatc	gatcatagtc	atcatctcct	ttttagacaa	300
	aagattctca	gcttctctgg	atcataagga	agagtctaga	gcaggagcgt	cggatccctt	360
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55	tccgggtaat	ccaagacata	gctctgtgtc	cttaagggtta	agctcgttga	ctttctcgtg	840

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<210> 453
<211> 909
10 <212> DNA
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<400> 453
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tggacgcatac aaacgaactt gctctgtttt tagctagagc tgtgattgac gacgtcttag 180
ctccacttaa ccttgaagat atctcaacca agctgcctcc aaaatcaacc ggaaccgaaa 240
cagtccgctc agccagggtct cttatctccg ccagacagc aggagagaga ctctaagaa 300
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20 tagaagaata cgaaacagga ggagtaacat cagaagcttg tcaatgtatc cgcgatctag 420
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25 tccttcccga gtttgggatt tctgcaactc agtgattagt ggttctctta tcagtttctt 720
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<211> 908
<212> DNA
<213> Arabidopsis thaliana

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gcaacaaaga aactaaaaca taaaaagaca acaacaacc accaaagcaa caaaaagaga 180
40 aagaaaaaaa aacgaaattt aaaactctat aaaagcagat aaatgtaaga aactccatct 240
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50 ctgtaattca ctgtgtacca atgagcagc catttggaag ctgcgtaagg agatctgggg 840
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55 <211> 908
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5 <213> Arabidopsis thaliana

<400> 455

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10	aaaagtaaca	gaaacataga	tgctgcagaa	atcttctgag	gagaagcttc	aacgcctcag	180
	ggtgtggaga	atgtattcag	catagaggtc	cattgagtag	tggatagctt	caaccgcaga	240
	ctcagatggc	agaaaatcat	tactgcaac	ttccttggtc	tcgtttttct	tgtagtcttc	300
	gaagaaacga	cggatttcag	agagacgggtg	aggaggaagt	tctttgatgt	cagtgtagt	360
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25 <210> 456

<211> 908

<212> DNA

<213> Arabidopsis thaliana

30 <400> 456

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	gcatttggtg	agcgcctgaa	gatcggagg	tccgaagtga	gcaacaagat	cagtgcctgg	180
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	gcacctatct	tactcctgc	tcgggtcaact	ccagcaccag	aactgaatgc	tgatcttcct	720
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<210> 457

<211> 907

50 <212> DNA

<213> Arabidopsis thaliana

<400> 457

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 <211> 905
 <212> DNA
 <213> Arabidopsis thaliana

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	ccccaatata tatataaagt ttatatattat ccttccaacc aatcaaagat gcatgtacta	180
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	agagattgga gtctggtgct aagctcctcc atctgagcgg tgagaacaga gttctcggct	540
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45 <210> 459
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 <212> DNA
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	ttcatctata tgcagaaaac cttatcata ttcaattgat atggctacag atttcacttc	180
	acatggtagt tccaacatca tctccatcat gccagatgac accttatccg tagatggtga	240

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<212> DNA

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<211> 898

<212> DNA

<213> Arabidopsis thaliana

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	gacatggggg	tttctacaac	aacggtttgg	gtctgagagg	gtgggtgttg	agttgatgta	300
	agggggggac	aagctgttcc	atttggccgg	ttagttggga	gaggtaccct	tccattgctc	360
	atactaaccgt	tagttacgaa	ttgacaaaca	gcgcattcga	cggtatgatc	accgtaagga	420
	tacatgaggg	tcgtccgaca	atgcccacaa	ttgatctgcg	caacctgact	ggaaggagca	480
35	tgggcaacct	gattggagt	cgctggcaca	aggttcgtag	tttgacagca	agagcatctt	540
	acgtacttag	ccccacgcgt	atacataagc	attgttctac	aaccaccaca	tataatgtgt	600
	gccatgtcgt	gaggtggagg	aggaggagga	accatgttga	tagtggttaca	taacgcacaa	660
	cgcacattag	atgctcctct	aggatacatc	aataaattcc	tacaaccatg	acacaccagc	720
	tggtcctgca	tatctgatta	acaaaaagag	ctgatttttg	aacgaaaccc	aatccaatt	780
40	caaagccaaa	aacttcgatt	ggagaagggg	aaggaatcga	atccaaaacc	cgcgaaagct	840
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<210> 473

<211> 898

<212> DNA

<213> Arabidopsis thaliana

	<400> 473						
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	ttaatatcaa	cggccagctt	caatgtccaa	tggtgttaca	tttctgatgc	tgatcatagc	180
	aatgctgcta	ctggtttcgc	cttgtgctga	caagatttga	acgccgagca	agtgttcaat	240
	ctccccgtc	tcacgatact	gatccgacca	cttatattta	gttgttttaa	ctctcaaggc	300
	ctctaactct	gcagctactt	ctttcatcct	tggcctttcc	tctccatta	gccttgata	360
55	ctctgcagca	attcttgag	cttctggat	ctctctctgg	ttatcctcat	tcactcattg	420
	cccatcaata	atttcatgga	acctattatt	ctttgtggca	gaagcaaaac	aactcactag	480

5	atTTTTTTggg	caatgtgggc	tttcgaaaca	caatgccttt	tgacctgaga	gcagttccat	540
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	ttctgggtct	aggtaacct	gagtgccctg	cactattgtt	gtgagctgct	ctttatccat	660
	cggatatcaat	cttgatgcac	caaagtcagc	tacttttgca	gttaagtttt	tatccaggag	720
	aatattagca	gtcttgatat	ctcgggtggat	gattggaata	gaagcagaag	agtgaagata	780
10	tgcaagactt	cctgctactt	ctgttgctat	cctcagacgg	tgctcccatg	taagtgaaga	840
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<210> 474

<211> 898

15 <212> DNA

<213> Arabidopsis thaliana

<400> 474

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	aataaattat	gcagtcagac	atagagaact	aaaataaacg	gtttatgaag	aagaagaaga	180
	aggaaaagca	aaaataaata	atgatttgag	aatgagagaa	agagaattta	aaaccaatct	240
	aaaccgggct	atcagagctt	ctgatcatct	ccggcgagga	ggctctgtta	ccagaaccag	300
	gaccggaccc	tgaaggtcga	atctcctcca	tcagtgttaac	cacttcctcc	attgaaggcc	360
25	tagaatctgg	atgcttagac	acacatgcc	ttgctatctg	caacatctgc	accatttctt	420
	cctctacgtt	gtgttgctgc	ttgatcagct	ctacgtcaaa	cacttctcca	gtccactcct	480
	ctctcaccac	tgattgcacc	cactttggca	gatccaccac	ttcttcatgc	ccagtagtct	540
	tccttgctgc	tttcccagtc	agcattttcta	gcaacagtac	accaaagctg	taaacgtcgg	600
	acttctgggt	atgtttccgt	gtttctatgg	cctcgggtgc	tctgtaacct	aagcttcttg	660
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	cagatgcaga	atggatgtga	gaaattcccc	tcgcagcttc	caaacagatc	cttaaccttg	840
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35 <210> 475

<211> 897

<212> DNA

<213> Arabidopsis thaliana

40 <220>

<221> misc_feature

<222> (1)...(897)

<223> n = A,T,C or G

45 <400> 475

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	aaactttttac	atttcagtac	gaatacttcc	tcctagaaaa	atgactacaa	aatcttgaat	180
	ttggattcca	gaataattct	ccaaccttgc	tttatcccga	gaccattcgt	cgtttcggta	240
50	gagctcacat	caaactatcc	acagtattgc	aacaaatgat	ctcacaagaa	gaagaaagtc	300
	cttgaacttg	atcatccaca	atagtttctg	atgacataaa	agtatgcata	ccatagatca	360
	catctaagga	ttatgccctg	taaccttata	cttcacgaat	acaattttatc	gacaaaaaga	420
	ctgaaactct	agctaaactt	catcctccta	attgaaatca	aatatctcct	aattccaaat	480
	ccttaatctt	caccctccta	actccactaa	ctaaacattc	ctaagtcaaa	ccaactatcc	540
55	aatatgtcca	gaagaaacag	tataataaac	tcgaattgct	acataatcta	tcaagagcta	600
	gatttgga	agcaatagat	caaagcaagc	ttctttgact	ccttaagaca	atgaaagcta	660

5 naaatatata tgtatcacca aatgctcaac atcttctctg attctataag caaggattta 720
 aaacaacaga ctctgattat attcaacact cccaaggaat taaacccaaa atcaaaacat 780
 gatctttctc tgcacaaaaa cgggaaaaat aaaaacttta caacaacaaa tcagaaaaac 840
 cggaactttg gtcactccaa atgaagatga tagtaattat gatgatgagt aaccgga 897

10 <210> 476
 <211> 897
 <212> DNA
 <213> Arabidopsis thaliana

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 ttcctctctc atcaccaaaa caatgctttc tctatgaact tcggcgactc cgccgtctta 180
 gcttacgctc gccaaagaaac ctctcttcgt caaagggttg tctgtggact agatgggatc 240
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 tctgggaaga actcaaacga ggcaatgttt gtgatcgaag cttatcgaac acttcgtgat 360
 cgtggctcct acccagcaga tcaagttcct agaggctctg agggaagctt cgctttcgtt 420
 gtctacgata ctcaaacttc ctctgttttc tcagctctga gttctgatgg aggagagagt 480
 ctttactggg gaatttctgg agacggatct gttgtaatgt ctgatgatat tcagatcata 540
 25 aagcaaggct gtgctaaatc gtttgctcct tccoctaatg gatgtatgtt tcatagttag 600
 acagggctta agagctttga ccatccgact aatatgatga aggcaatgcc gaggattgat 660
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 atccctagaa gaggaagtga agctaactgg gcgctggcta attctcgttg attttgcttc 780
 tagtttcgtt aactcttgct tctttgttgc gttttctttt tatgtactct tgtttatgta 840
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 <211> 896
 <212> DNA

35 <213> Arabidopsis thaliana

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 40 aattccacgg cggactacca ccaccaacgt tcgccgtcgt tgtacctgca cttgactgat 180
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 tgttggaaga accgaggaac ttagctccgg tgacttgttg aaccatctgc cggaaattag 420
 45 cagcgtccgc cgttataaac gtggtttgag atttcttatt agaaactcga gatcggcgtt 480
 tcgtttgttt accaccggaa acaccaggac cacgttttcg tttcccgaga ccaagagcac 540
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 aaaaatcgac ggcggcggtt gaagagtcga agaaagatga aggagaaaga ggagatgatt 660
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 50 aggaatcaga gtagtagcac gaatcgatgt tgaagttttg acggaatgac caaggatcaa 780
 cgcttgctaa tccctccgac gacgccatga ttgttaagta agtaaatcac cggagaagaa 840
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 <210> 478
 55 <211> 896
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 478

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10	ttctgcttca	gttcaccgac	aagaggtttc	agccgggtgca	tgaccttacc	attggtgttg	180
	aatttggggc	taggatgatc	accatcgata	acaaacctat	caagcttcag	atctgggata	240
	cggctggtca	agaatccttt	aggtctatta	caaggtcata	ctatagagga	gctgcagggg	300
	cattgcttgt	ctatgatatc	acaaggaggg	agacatttaa	ccatctagct	agctggctag	360
	aagatgcaag	gcagcatgca	aatgcaaata	tgacgataat	gctcattggg	aataagtgtg	420
15	atcttgctca	cagaagggca	gtgagtacag	aggaaggaga	gcagtttgca	aaggagcacg	480
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	agacagctgc	aacaatatatc	aagaagattc	aagatggtgt	gtttgatgtg	tcaaagtgtg	600
	catatggaat	caaagtgtga	tatggaggaa	ttccaggacc	atcagggtga	agagatggat	660
	caacctcgca	aggaggaggg	tgctgcggct	gagatgggaa	aaatatgtct	atatcattat	720
20	gtaaaaatga	tcattatgta	aaaatgatca	catatgatat	agcaaaaatg	tctctgcttc	780
	tttctatagt	tgtaaatcgt	tttggaattc	gatttggtga	ctggtgtggt	tggttttgga	840
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<210> 479

25 <211> 896

<212> DNA

<213> Arabidopsis thaliana

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30 <221> misc_feature

<222> (1)...(896)

<223> n = A,T,C or G

<400> 479

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	tatagaggag	gttggttggc	ttttcactgg	cgggtgttggc	tccctcagca	acgtcggcca	180
	gtttttctctc	cggcaacgat	ggctccgtag	caccgttttg	ctggctcctc	ttgtatgcgg	240
	catgttttctg	gctttctatg	cgatggtgtc	cgcttttgtc	tctggtcatt	ccaccgtcat	300
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45	gtcgattgtt	atcggttgtg	attccttctt	caccggaatc	ggtgctcgga	cgacaaagga	660
	agaagtcggg	tcacttttag	gcttctctgc	tcacacgtat	aggtctttct	cctattgacg	720
	acacgtgatc	tgagatagag	acaaattcca	gtttcttctt	ctgtaggaaa	tctctttggg	780
	ccttggttggg	tctaaataat	ttctgtaatc	ttgcattttg	aaaaggcttt	tcttaggcct	840
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50

<210> 480

<211> 895

<212> DNA

<213> Arabidopsis thaliana

55

<220>

5 <221> misc_feature
 <222> (1)...(895)
 <223> n = A,T,C or G

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 atgttcaatc taattaagct taatgtgatc ttgcaaagaa aagaaaaatc aatatggcgt 180
 cttcttgctt ttttagtact tttacagttt tactatataa ttgggtttgt ttagtcaata 240
 tattttgaag gcatgaacta atataaacta tgattatgca gtctcatccg aaactatcat 300
 15 ccgaggatag aacaaaacta tgcgatgtc taaactacaa gaaattgaca ttggacacat 360
 gcaacaact tgcaaaaaat cccaagatcc ctccaaatat tgcagttcaa gcactcaagt 420
 cacaacaatt atcaaacgag actcgaccac actcaagaga ggacaagaac aaagtaaaca 480
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 20 ataattctga aaaagttagt aaggagaaga agagtgaagt aatgtcaaga tctgtgagac 660
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 atgcacgtct cgtgtatatt ataagctttt tcatgcaaaa tgtattttac gtagttttga 840
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<210> 481
 <211> 895
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 481
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 aaggagaaat gagtcatgca tatttagatc caacgattat aagaagacat aacgaacagc 180
 35 tgaggaactg ctaatgctct gtctcaatca ggatgtgcag tttaggaatg caagtctact 240
 aaccttgcat tacatatgat cttctagcga gccacatcat aagcctgggtc tgcacgtac 300
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 ccagtaggtg cagcatatgc tgatgcgttt ccacctccat agctaggata ctgagagcca 480
 40 atgtatccat agtttccatt gctttgagcc ggggtattac cataagccgg ctgtgtggag 540
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 acaccagaag ctggctgagc accgtgctgc tcataagctg gggcaactgc tgggtggtgt 660
 gtaccattat aaccatcaga tgggtgctgca gagctatatg aaggataagt ttgctgagta 720
 ggcgcacttg atgcataacc atattgctgt tgttgagcca tgtttgaacc atacgatggt 780
 45 gctgctggag ttgaaccata cgatgctgct gctgggtgtt aaccatatga cgggtgctgct 840
 ggtggtggac cttggtaagg cacatcacca ggaggtgctg caggccttgg aggcc 895

<210> 482
 <211> 895
 <212> DNA
 <213> Arabidopsis thaliana

<400> 482
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 ttgcaaagag gaaggccatt gccaaaattc acattacggt gtcttaaaag tgtacatcac 120
 aagataacaa gagacaaaag gaaaatttgc agtgttctca tgaattggtt caaccaagga 180

5	tggggaagat	gcgggcaatg	tgttccaagg	gaacattctc	acctgtat	ttcttgagct	240
	ccggatgggt	aaattcattt	tgtggtgaaga	caatacttcc	accctctttc	tcaacaatcc	300
	atccactggt	agtcacttgc	tgctcgatga	atgtgtctag	agatgcacca	tccatgttaa	360
	cagcctcagc	cagcactgat	cttgggaacct	tttggttagct	taagctaaga	agggtgacttg	420
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15	gattaagggc	gacgagctgc	tcaacggtgt	aagagctctg	ttcctgcggc	gattggatct	840
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<210> 483

<211> 895

20 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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	agtcctcaaa	tgaattggta	aaggaaagct	ttaatctcat	caatataagg	agactttgta	180
	ggaatgatgt	ggccaaaatc	gtgctcaaca	atgggtggcgc	aaccatcttc	aaacaacccc	240
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	atgtgaagtg	aagggcattt	aatcgatcgt	ttctccttca	tctccaacaa	tggccacggg	360
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	ggccctttct	cttcaaagtc	cgtcttcaag	tatgtcaacg	atttatcaaa	cccttcagtt	540
	tgagtctgat	actgcaatgg	atcgaactgg	cattggggcca	ctgtccagcc	tgtttcactc	600
	ggttttatcaa	aatctgatga	caccaaccac	gcaaaacttct	tattgcatgc	tccggatgga	660
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	tgcctaaatc	catgcaagca	caagatcctc	agcttccgtc	ttgtattgtc	accattgctt	840
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40 <210> 484

<211> 894

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

<222> (1)...(894)

<223> n = A,T,C or G

50 <400> 484

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	tccgggggaa	acaaatanna	aaactcagga	gagttattta	agataagcaa	annangatac	180
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55	tttgtaacct	cttccggggc	cttctctgcc	ggtatgttca	ccagattctc	cttcttcgca	300
	taatagtcaa	ttaccgggtg	cgtctgcttg	tggaaatgcat	ctagccttga	tctaagaaca	360

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ccagtaattc tttcttcogag aaccgaatca tcgatcgcaa aattaagcac cttatctatc 540
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15 <210> 485
<211> 894
<212> DNA
<213> Arabidopsis thaliana

20 <220>
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<222> (1)...(894)
<223> n = A,T,C or G

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45 <213> Arabidopsis thaliana

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55 aatgacgatg aagatgatat cgatgaggat gaagatgagg atgaagaaga tgaagacgaa 480
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 tccatgtgga gatacttgat aaattatatt ttggtgcattt gttttttttt ttttttaatc 840
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<211> 894

<212> DNA

15 <213> Arabidopsis thaliana

<220>

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20 <223> n = A,T,C or G

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 25 taaactttca attaagtaga gcagcaacct cttttgccag ctccagatgt gtcttcaacg 180
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40 <211> 894

<212> DNA

<213> Arabidopsis thaliana

<400> 488

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	cctccaagcc	caccaagacc	accaagtcca	gcatttgtcc	ttccaggggc	agttgtctgg	840
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10 <211> 893

<212> DNA

<213> Arabidopsis thaliana

<400> 489

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	aaaggagaaa	attgtagttt	cagaaagagt	agtctttcaa	atctgctcta	180
	tgtcaatctc	agacatgcat	tcgtcagcac	taataggagg	gagtttccga	240
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	gacgcagtct	cattggagaa	cgcttttatag	ggaagtgtct	ttgcagctca	780
	caagtgcctg	cttcttggaa	ttactatgag	gatcaacagc	aaaatgaatt	840
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<212> DNA

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<223> n = A,T,C or G

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	taatcataaa	aaaaaagtta	cagaataact	ttcttcttga	aggaagaaaa	agatcaaaga	180
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	ggcttatgtg	tgttctcagt	cttcttggtt	gtcatagcca	aaggcaagct	cgaagatctt	300
	tccatagtca	tccacgaagt	gaacattaag	cccttctttc	acattctctg	ccagctcatc	360
	aaagtctctc	cggtttgctt	ctggaaatat	tattgtttta	atctgactcc	gcctcgccgc	420
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aaacttccaa ttccgccggag caatgttcca cgacgtcgag cttctacggg cactgcttgt      180
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gttacgactc atggtcatcc acgaagtatg tgttcctttc acacctagcc gcactatgtt      300
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30 gtaaactcct gggattcttg cttcagacaa tgcaagaatt gtagtaagaa cagataaaaac      840
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55 <210> 493
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5 <212> DNA
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<400> 493

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	gtaaatatac	atcataaaaa	tggggcta	taccagaaa	aataaagtag	taattacata	180
	atgaaaaaaa	aaaatccttg	tttgtaaata	aacaaatata	acaccataaa	ctgaatttga	240
	tcatttttat	aataaaaata	aataattcaa	attaagtttg	atttctttca	tcgggctgat	300
	gaataagtga	aacttgtatt	tcttcgagtg	ataatccttt	cgtttctgga	acgagcaacc	360
15	atataaaaag	caacgctgct	ccaccgatac	ccgcgaatat	gaaaaacggt	ccttgagtgc	420
	tccattcgaa	cagaaagt	aaagcgtaag	tgacgattga	actacttgaa	aatgagacta	480
	acgtaactat	acttctgca	gttactttta	tatttattgg	aaatatctcc	gacataatta	540
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5 <400> 495
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<212> DNA

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<222> (1)...(891)

30 <223> n = A,T,C or G

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50 <211> 890

<212> DNA

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5 <223> n = A,T,C or G

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<212> DNA

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<223> n = A,T,C or G

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15 <212> DNA

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<223> n = A,T,C or G

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40 <210> 503

<211> 888

<212> DNA

<213> Arabidopsis thaliana

45 <400> 503

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30 <211> 886

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30 <400> 509

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<212> DNA

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50 <220>

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<222> (1)...(885)

<223> n = A,T,C or G

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15 <212> DNA

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35 <210> 516

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<212> DNA

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<223> n = A,T,C or G

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10 <212> DNA

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<223> n = A,T,C or G

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<223> n = A,T,C or G

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10 <220>
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10 <223> n = A,T,C or G

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20 attaaagggc	tgaggaccac	tgcaagcagt	ggaagagcac	acgatgcgtt	gaggtgtttt	480
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    gcaaagatca ttaagaagcc taacattcctt gagagattga gaaaagaaat cgattctgtt      180
    gtaggcaaaa caagggtgat tcaagagaag gatctaccga acctccctta ttgcaagcg      240
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    agaagctttg cattttatgt ttccatgtct aagttttttc cggcttaggt ggttactttt      780
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10 ggatctatcg cttgcgcagc tctctgtgct tgcactctta caatagcttc tcctgttatt      240
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10 <212> DNA

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15 <222> (1)...(873)

<223> n = A,T,C or G

<400> 554

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	ccgcaaataa	atccaggatt	caacacaacc	atgtcgattc	cattgtcttt	ggcaaattgc	540
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	ttgcatgtat	taaggacggt	aatagtaccc	tttaannntg	gatcaatcag	ctcagtctga	780
	gganntgtga	cagtgaatag	aactggnnna	gcagtgtgga	agacagcatc	acaaccatcg	840
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35 <210> 555

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<223> n = A,T,C or G

45 <400> 555

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	aataaaaagca caattacaat aaccaaaaaa atctttccaa tgtttttttt tgtttctctg	180
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	tccatttgat ctctctttct attctccatt atcgcttctt cttccgccac cagcaatctc	360
	ctcatcaacg cgttttccct caacgacttc cctctaaata tctcctctcc tgaatccaca	420
	ctcatcctcg cgcgcgccac cgccactgcc gtctccatag gaagaggctt cgacggagga	480
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	gttgcgaaatc tggcaaccgc catagctctc tggtagcaag gttttcttgc aggtgaggcc	780
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<211> 872

10 <212> DNA

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15 <222> (1)...(872)

<223> n = A,T,C or G

<400> 558

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	tgctggggag	agttgacaat	ttcataaaaag	atatcgaagg	gcttctggaa	caactggatg	300
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	ctcaattttc	ttcataccct	cattggatag	gttatacttt	tgggtgacaa	acaccaaaaa	780
	tatccctttt	tgttacgatt	tgagaatacg	ctttttaaat	tattatTTTT	atctggtgga	840
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35 <210> 559

<211> 872

<212> DNA

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40 <220>

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<223> n = A,T,C or G

45 <400> 559

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10 <210> 560
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15 <220>
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<223> n = A,T,C or G

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15 <222> (1)...(871)

<223> n = A,T,C or G

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 55 <211> 869
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5 <213> Arabidopsis thaliana

<400> 566

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	ggaaatcgcc	aagttttccct	ctccgcccgc	taaacttggt	cctccgcccg	ttaatcccat	300
	ttccaagaaa	tcttcaaccg	cagcagccga	gccgatcggc	tcgaaccaac	tgatgttagc	360
	cggttatctg	agccacgagt	acctcaccca	aggcacactc	ttcggagagc	aatggaacca	420
15	ggctcgagcc	caagccgagt	ccagtaagat	aaagccgagc	catactgttg	agccggctga	480
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	agaaaatttta	gggtttgttg	ttgaggtaga	tgctcctctt	ttgtacatca	gaaatatcaa	840
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<210> 567

25 <211> 868

<212> DNA

<213> Arabidopsis thaliana

<400> 567

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	aaagaaaaat	tattattgtg	gctgattcac	ttcatcgagc	aagagctttg	taatgccatc	240
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	ttgttggtct	gacaagtgtg	gttgggagga	agaaggaagg	aggaagatgg	ttgagcgaga	840
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45

<210> 568

<211> 867

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<223> n = A,T,C or G

55

<400> 568

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   ccaaacaact tcctctggct cggagttgtg atcttatcat cattcgtcac gtttctcttg      180
   ctcatagggg tgcgtcacacg ttactatata taccctgttg accataatac aggatccatc      240
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   tgctgtttga ttttctattt ttaatacaat ttaaaatgga atgttaatgt atatgttatt      780
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<210> 569

<211> 867

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<213> Arabidopsis thaliana

25

<400> 569

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   gcattcctgag gtgccatcaa acgtccacct tctccatttt caaagctctt cgcagagtct      780
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<223> n = A,T,C or G

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   tatgacccaa acaccatcat gttgcagtga gcacctaagg cttttaactc ttgtttttga      180

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<210> 571

<211> 867

20 <212> DNA

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25 <222> (1)...(867)

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50 <220>

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	tcccgttat	tcattgacgag	ccagaagaac	cagctcaagg	ccaccgaaga	agtgtcacgg	780
	cccgcgagaa	caaagttaag	cgcgatacgc	tgaagaacat	ctgttggaag	aacgttaccg	840
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<210> 573

<211> 866

<212> DNA

<213> Arabidopsis thaliana

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<211> 866

45 <212> DNA

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15 <212> DNA

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40 <400> 576

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5 <213> Arabidopsis thaliana

<400> 579

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15 tcagcgatga ctttcttcac tgctgtttcg agcgggtcag caaatgaagg aaactgaagg      480
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<223> n = A,T,C or G

<400> 580

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40 ctcttttttt cttcttagat tttagtgaat cgagggtgaa atttttgatt ccctcttttc      360
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<211> 864

<212> DNA

<213> Arabidopsis thaliana

55

<400> 581

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 ggggctaacg tggtagagaa tgagttaaac ttgatcgtca gggcttaact agtttaggg 600
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 aagctagggc tgttttgagt tgggtaggag atgaaccact gctcagaagc tcctttatct 780
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 gaaactttta gcaagttggg aagccacgga ctctgtaccac ttgctagcat tggggaaggc 720
 atcgctgggt ttcactggaa cggcagcgta aaccttgaca tcatccacag acaattgatc 780
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15 <212> DNA

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<220>

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20 <222> (1)...(863)

<223> n = A,T,C or G

<400> 584

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 35 cttcttgatt cttgataagt gggacatcga ccaaagcatc attattaact attaaaggct 720
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40 <210> 585

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 40 tcgatcaaaa aaaaaaaaaaaa aaa 863

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 45 <213> Arabidopsis thaliana

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 gaagaagtta gagaattgat caacaaattt gtctaattct ctcatTTTTT ttcatttcct 780
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 25 gtaatgctct tctacggcaa ccaaacacag agaaaaataa aacaagtggg atgtctatca 180
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 35 aagagaagaa agagggtaga gcgcagagga agaagaagaa gaagaaggaa gtgttgcttg 780
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40 <211> 861

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ggtactgttt cttttctctc tctcagcatc tacgtgttg actactctgg attttttttag 780
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<223> n = A,T,C or G

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35	ggaacgatcc	gcgagctcag	cccaaggacg	acgcttagag	agaccgtttt	taacggtttc	720
	ggtgatctga	ttgatgaaat	tgcggaaagc	tggagtagcg	atcgggtggt	gagattcgac	780
	ggaggaagga	gcggcggatg	gaacggtttg	gggattggag	attgggagga	ctggtggtgc	840
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<211> 858

<212> DNA

<213> Arabidopsis thaliana

45 <400> 607

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	agagcctcac	ttactcgtat	ctacggcctg	tggaatgcta	catctctaac	aaacgtcatt	420
	gtggctttca	tttgcggtgt	cattcattcc	gggtttttca	ctgacgagct	accaaaccatc	480
	tggaaacgca	taagggatga	tgataaatgg	tgggtattac	caacaatcct	cttgttactc	540
55	aagtcaatac	aagctcgggt	ccttgattgg	cacgtcgcaa	atctagaagt	accagacttt	600
	tctcttcttt	gtccagatcc	agataccttc	tgggcatatg	aatctggagc	ttgaccatca	660

5 acatgattat aaagaaagac cagcaaaaga tatatcttat ttttcatgta aatcttttaa 720
 aagtacaaag ttcttctcgg tgatagtgtt taaaaacagt tctctagaac atctgggttat 780
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 aatctaattt gctttggctg tggagaaaga gagagagagt ctttaatacgt ctcattggctg 180
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 35 <213> Arabidopsis thaliana

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 aagctcagaa acttggcggt ggacatttct caaaccaatc ttgaatgcta ccgatatttg 540
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5 <213> Arabidopsis thaliana

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10 <223> n = A,T,C or G

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15	aatcagacgc	ctggtcagca	gcaacagtgg	gctaatacaa	cgcctgggtca	gcagcaacaa	180
	ttggctaata	agatgcctgg	ccagcagcaa	cagtgggcta	atcaaacgcc	tggccagcag	240
	caacaatggg	ctaatacagaa	taatggtcac	cagcaaccgt	gggctaatac	gaacactggt	300
	catcagcaat	catgggctaa	tcagactcct	agccagcagc	aaccatgggc	taatcagaca	360
	accggccagc	aacaaggggtg	gggaaatcag	acaaccggcc	agcaacagca	gtgggctaac	420
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	tggtcaaaact	ctgtggacag	tcattcttct	caacaacagg	agccagggtc	ctcccatgag	600
	tgccaagaga	cacaagaaaa	aaaggtagtg	gagttgagga	actagtttga	caaactcgct	660
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25	tttttgcaaa	ctctagtagt	tatttcttta	ggatcaacat	cataatctac	tacgttcggt	780
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30 <211> 857

<212> DNA

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<400> 611

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<211> 856

<212> DNA

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55

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    ctctatacat gatgcttcac atacttaaga tattaaccta tatatactaa ttaaacaatca      180
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15  caaaggaaaag ttgagaacag cttttcttcc cctgagctta aaagctgcat agtcataagc      360
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    agggatcatc aagtcttcaa atagatgttt ctgtataaca tccaaatcag agctttcctc      780
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    gtgatggagc tttacgccga cacaacacca gaaaccgccg agaatttcag agcactctgt      180
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    caccgagtga ttccgaaatt catgtgtcaa ggaggtgatt tcacagccgg gaatggtacc      300
    ggaggtgaat ctatctatgg atcgaagttc aaagacgaga actttatcaa gaaacataca      360
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    cattgaataa gaagaannnn aataaaattn tnnnntccaa aaaaaaaaaa aaaaaaaaaa      780
50  aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      840
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atacagataa agaacataga aaaactctat cggatatatg tgtttatata atcaatcctt      180
10 cttcttcttt tttttgttct gcttcgctct gctctgcttc cggatgatgt atagattctt      240
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15 cgcgaaatcca gacggagaaa tatgagccaa agaaggcgaa gaagacgaaa aacgatgcga      540
agaaaaggga ggacgaattc tagcggggcg atcggggaaa tgatcaggta aagaaatcgg      600
cataaggagg gaacggagaa gattcaaaac aagagatgat agatcgtaga aaaccctaga      660
ttgttggttca tctcgttgcc ttctcatcat caccacacaa accaaaagaa aacaccaatc      720
taatccaaaa gaaaaattgc ttgaggaaga agataactaa aggggttgct aaaaccgagg      780
20 cgagaagata aaagaaagag ccgcaaattt gattgggtta gaggaagaa ggtttaatgg      840
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25 <212> DNA
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    <223> n = A,T,C or G

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tgactcctaa aaagccatca gctatctgtt agctacaaca agcaatcagc agcaccgcc      180
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25

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 cgttttactc gaatatcaag attagtttaa ttaagcagtt tttgatggat tatgtaaacg 780
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45 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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25 <212> DNA

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<212> DNA

<213> Arabidopsis thaliana

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	tattgctgca gtggacagat acagaacaaa gagaatcaaa gaaagctcga aatttctagc	780
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40	actacggacc agagctggta gtagggggct tcttgaactc gatcttgctg actttaactt	180
	ctccatcgat tagctcatag acatagacta cagctcggaa accatcgatg tccataagga	240
	caaagcttgg gttaacgtct tggtttatgc tgctgtaagc tccggttgca gagccgggt	300
	ttatcaccac tctcctctcg tgtttgtacg ctgtgaactg gtgggtatgg cctgttacga	360
	gaatgtcgac gccagttgt ctctgaagca tggcgagtga gtctagatca ccccatggga	420
45	tcacctgggtg gccatgacac aatcccagct tgaattgccc aatagtcaag gttttattct	480
	cagggtatcg cgcattctcg tcaaactccc ctcgaaactat atgcaaatca gggcagatag	540
	tcttcaagta gtcattgatt tctttgatgc agagatttcc agtgcagatg atgtgttgaa	600
	tcttcccagg aacaagcatt gatttgaact taggaggtag atcagccgct ctatggggt	660
	catggagatc ccccaatgcc aataccagca ccatttcaaa actttcacca aataaaaaac	720
50	cagatcaagg gctcaaatag actatcgaat aagattcctg atttcaagga atttgatgtt	780
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55 <210> 636
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5 <213> Arabidopsis thaliana

<220>

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<222> (1)...(846)

10 <223> n = A,T,C or G

<400> 636

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15	agaacacaag	gaaatttact	cagaggtaat	cgctgcgcga	gccaggagga	agaggaggga	180
	tgggagaggt	ctggacatgg	attatttcat	tcttaatcct	tatcactctt	ctcggactca	240
	tcgtctatca	gcttattagt	ttggctgata	tcgagtttga	ttatatcaac	ccttacgact	300
	ctgcatcaag	aataaacttt	gtggtattac	cagaatccat	tcttcaagga	tttttatgcg	360
	tattttacct	cgtaacgggt	cattggttca	tggcactcct	ttgcgttctt	tatctctact	420
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	tgcttgattg	ggaaaagaag	aaacgactct	tcaagctcgc	ttacattatc	ctcactctct	540
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25	attaatgtgg	cattagagag	ctgtgtaaac	cagattttat	agtcattaga	atttcattgt	780
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30 <211> 846

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

<222> (1)...(846)

<223> n = A,T,C or G

<400> 637

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	agatattttg	agtttattct	gtttccactt	tgggaagtgc	tagaactcag	atttcgccat	180
	tccaaatctc	tcttcaaact	ctttctctgt	taagtacgcc	tctcttcttg	ttgcatctat	240
	atccgtcact	ggcttctgag	aatcaactct	gagctgttca	tatgaatatg	caagtgactc	300
45	tagactacta	agatcgctat	tgattccaac	gcgtggett	tgtttagaaa	tgtccgactt	360
	ggaactcgac	tcttgtctcg	ccactccatc	attaggatcc	actaaaagag	attctgagaa	420
	aagctttttg	acaactggag	ttgagttact	gctgtttgtc	atgtcttctg	cagagctcaa	480
	actcaaaagc	ttttcgctgg	agcaagggtg	tactcctcgc	tccgatccgt	ttgagctcac	540
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	ctcgtggcct	tctgtgacaa	catatacagg	agtcnnntg	gttagacctt	cttcagtat	780
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55

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5 <211> 846
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<400> 638

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	aaataaattt	aaagaaacga	cgctcttgca	atcttggtat	aaaccacta	ccagccgcag	180
	tggtctgtac	tcagattctg	catttgctca	agctgaagtt	gtcttggtgg	tggttgccagc	240
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	gatgtcaggc	tttctcttgt	gagggtcgtc	ttctgtgttt	ggctctgaact	ctatgtttgc	420
	attcggatca	attgtctctt	ggaccacctt	agcagctctg	agcatcgtga	attcaccagg	480
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	cagatcagaa	acaaattgga	aactccttgt	ctgcttccca	tcaccgtaaa	cagtcaatgg	600
20	ctcttttctt	agtgcctgtg	caacgaagtt	actaacaaca	cgcccatcat	ctatacacat	660
	tcttggaacca	taggtgttga	agatcctagc	aattctgacc	tcaacattgg	cacctcggtg	720
	atagtccatg	gtcaacgtct	ctgccgtacg	ttttccttca	tcgtagcaac	tacgaacacc	780
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<400> 639

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	cgaaagcttc	ctgttttagc	tcgacggctt	tatcaggaag	gagagtgttt	ggatctatca	180
35	aagcagctca	agtgacaagc	catgagaatc	ctagaagacg	aactcagaac	gtcgaaggag	240
	atataattgt	tgacaatact	tgtattgatt	gtgatacatg	tcgttggtatg	gttccggatt	300
	tattcactcg	agtggacaac	atgtctgcgg	ttacaaagca	accaacttgt	aaggaggaaa	360
	gactgaatgc	tcttcaggcc	ttactatctt	gtccgacggg	ctctattcgc	actcaaactc	420
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	ctggaaagat	cgagatgaag	ggtggtgttc	gctacatggt	tttgacacac	agggatgatg	660
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	atgttgaacc	ttcgacctct	gatgtggagt	taaagctgga	aggaagtgga	ccatggagta	780
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 50 <212> DNA
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<400> 640

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	acttgataag	tgatagccac	aacattttatt	gaattttctt	tacattgtca	aagatacaaa	180

5	gactgaagaa aaggtagaga atgtgcaaag cttctggatg agaaagaggg tttgcatcag	240
	tctaaagaga gcttagccag agtgagggag agtactttta ctccattagc catgtcttca	300
	ggagatgagt attcttcagg tttatggctg tatectttgt agcacggaat gaatatcata	360
	cccatcggag atatcctggc catgaagaga gaatcatgat aagctcggct gatcatcatc	420
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10	gagagtgctg gtggatcttg atttacaatc ttgaattctg atagcttcac ttttcgtttt	540
	ttagctatcg tgttagcaga ttctgaatt ttcttgatca cgggtgttct tctcgcttca	600
	tcgatatccc ttgtatcgat ttcaagatgg gatttgcttg gaatgctgtt gattgcccc	660
	ggatgtagct ccagaatacc aacagttcca acagtatcta ttgactccga ctctaataca	720
	tgtttctcca cggcaagagc caactctgca gctgcaagcc cggcatcatt tctatatggc	780
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<211> 846

20 <212> DNA

<213> Arabidopsis thaliana

<400> 641

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	caggaagctt gtgaaggatg gtttcatcat caggaagcca accaagattc actctcgttc	180
	cagagctcgc aaaatgaaga ttgccaaagt gaagggctgt cactctggat acggtaagag	240
	gaagggtagc cgtgaagcta gggtgccaac aaaggtagct tggatgcgta ggatgcgtgt	300
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	tatccacaag tcaaaggctg agaaggctag ggagaagact ctgtctgatc agtttgaggc	480
	taagagggcg aagaacaagg ctagccgaga aaggaagcat gctaggagag aggagcgttt	540
	agctaagggt cccgggtggag atgttgccgc tgtagctgct ccagcacctg ctgctacacc	600
	tgctccaact gcagctgtac cgaagaagaa gtctaagaag tgaagaggat atatagtgtg	660
35	aagctatatc gatcatcagt tcacggatta gactctgaag aagggtttga atgttttatc	720
	gaatgcgttt gtggaataac ttttattttc gcaaagaaca taacttatgt cagttaatct	780
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	ctaccggatt acgtccgact cctaattttc gaatacaaaa aaatactatt gagnnnaaat	180
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	tctctatatg atcctcagct acttcaaatg ataaatgaac ttaacaaaaa aattgggaga	360

5 aatgtgttta ttgctgctaa cactaaccaa atgcaagagg attttctaag cactccacga 420
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 10 gaagtgggaa actcgggtttt gtttatttca ctgcgaagat atatgtatcg actaccgagt 720
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 55 ttggacagtg ctagtgttgg tgctatcaga acaagctttc ttgtacctct caatggttga 780

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10 <212> DNA
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 45 ctaagtttta tcgatttgta tttttgtttt cggctcgatt cgtaatgcgt tttgaacttt 780
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45 <211> 841

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	aaaatgcata gctcgtccta tccatcaaaa ggatcttcgg gtttcttcaa atatggctag	600
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<212> DNA

<213> Arabidopsis thaliana

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	agtactctcc tccctcgat tcgtagtcca ttgtcgtagt agttgtgaat gggtttgatt	780
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5 <213> Arabidopsis thaliana

<400> 663

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	aaagattttt	gaaccaattc	cacttctccg	tgattccttg	atgagttaag	tttttggaat	360
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	catatcgatc	gacagtgtaa	tccattgcag	agttctttca	agtttttgtt	tgcttgcttg	660
	gtctaacaac	taaatcaata	aaagtaaatt	agtttgagac	acgtatatct	gacatttgat	720
20	cgaaaatttg	atattgtcta	gcctgaaata	gattcctttc	ttcccgata	tgtgctggta	780
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<210> 664

<211> 839

25 <212> DNA

<213> Arabidopsis thaliana

<400> 664

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	aaacccaaaag	atgctcctcc	atcgtgctga	aaaccatgcc	tatctaacta	acggtaagag	240
	tcacacaaag	gcataggcaa	aatgaaaacc	aaaggggaaca	atgtatcagg	ttctaataat	300
	caccgactag	ttgtatcaca	gttccttgct	ttcaagctgt	gctttttctg	ctgccttttc	360
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	aacacaaaac	tttacgaacc	acgcagtatc	cttctccttt	atcttgctcag	aaaagggttc	660
40	tggtgtcagt	gtaatgactt	ccgctttaac	taattcaatc	gggtataaaa	ggagaagtat	720
	aatcatggga	gcaacaagcc	gagcacctag	cgtcacgtga	gcaaaaaccc	aaattttgat	780
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45 <211> 839

<212> DNA

<213> Arabidopsis thaliana

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50 <221> misc_feature

<222> (1)...(839)

<223> n = A,T,C or G

<400> 665

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	tcttcccaat	gcaatgcctt	nnnatacttc	ttcacaaaat	ccaccactct	ttgtttatcc	360
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10	tcactacatc	cttttttctt	gatatccgat	ataatatccc	aagcatggag	gagatcatat	480
	gtccttggat	atgtcgagaa	tgcttcacac	cagctatgaa	ccgcgcccac	taaacctctg	540
	tcatatatca	gtttaagcgt	gtaggtccg	tcctcaggaa	caacattcat	taccagaca	600
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	ctcactgtat	ctgattcgat	tcttggaatc	aagagatccc	aataagtatc	tactctctgc	720
15	ctccaaagtt	ccgtgtcctt	ctcaaacatg	cccgttgaat	atccaaaatc	agcaagtctg	780
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<210> 666

<211> 839

20 <212> DNA

<213> Arabidopsis thaliana

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	cttaagattg	agccagacaa agatgggtta tttggagaat tcaaggattc aaatggtgca 240
	aagtatgata	ttgctagctt tcattctcaa gatgctgggtg cagagttgat tataccttct 300
	gaagaatcaa	tgattgttgg gaagattact cggcgagttg cattagttcg ttaccctgaa 360
30	ccaaacgagt	tgcttcagaa aatgaaggct agaacacaac agaagcttgt cggatcagtg 420
	acgaattcct	ctaagaaatc atctaacctt actcaaagca gccggcataa aagcggcaca 480
	cgtagcagca	gagagaagag catgttctct gggttcaccg agactccaaa gtgcgcaaaa 540
	agaaaaaatt	cagagtcttc ctccaggttaa catcgagact caacaagtac ggtttcaggc 600
	tcttcagaac	gatcagcaaa gtccaagaag aaggtgaaga aggaagagta aagatctttg 660
35	ctcctgtttt	tttcaaagag aatgtttgtg actgttaaga tgttgaattt cgattatgca 720
	gatgataaac	agccagtaat gtattcaaat tcataagtta tttcgccgta gatgcttata 780
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<210> 667

40 <211> 839

<212> DNA

<213> Arabidopsis thaliana

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	tcaatccgta	cctaaatcct ccgcaagatt cgtctgctcc gatgacaaat cctcctctc 180
	cgcacctcaa	tccatgaaag ctttctccgc cgccgtcgcc ctctcttcca tctcctctc 240
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	tttcatttgg	cccgttgctg cctacagaga gtttctcaat ggtgatctca ttgctaagga 720

5 tgttttaaaaa gggaacttgt tttctgcttt tgtgttactc tctctaactc ctttgttttc 780
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<210> 668

<211> 838

10 <212> DNA

<213> Arabidopsis thaliana

<400> 668

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<210> 669

30 <211> 837

<212> DNA

<213> Arabidopsis thaliana

<400> 669

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40 cgaggaagac gcattgcagt tcatactgga ctcatgcaa acaagcatat caaagtacag 360
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50 <210> 670

<211> 837

<212> DNA

<213> Arabidopsis thaliana

55 <400> 670

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	agtcctatga	ttgatgagaa	agaagaggag	ctttcacagt	ctgcttttgc	tttgtttaag	180
	gcaaaggaag	atgagattga	gaggaggaag	atggagggtta	aggatagggt	ccagaaaaag	240
	cttggactcg	ctgaggaagc	tactagaaga	ttagccgaga	ttcgggaaga	gcttgaagct	300
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	cgagaactca	agccttttagg	acagagttgt	cagagaaaagg	agagagaatt	caaagaagca	420
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	tcaaattctgt	tttctgtatt	cagtaacctt	agtagaaatg	tgataaagat	tcagtatgat	720
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20 <210> 671
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 <212> DNA
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25 <220>
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 <223> n = A,T,C or G

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	aacattttctt	cacattgcaa	gtgctcgtgg	tcgctacaaa	agtaaaactaa	tcttaacgta	180
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	ccattcaact	tctttcatgt	cggctaactt	cacaaagttt	acgctaagcg	ggagctgcac	420
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	ttctgtctca	gagccataaa	ccgagtctag	ctcattgtag	tctatatcaa	actgaaactc	720
	tgtctctcct	tctccatctg	acttgggaga	caaaacgtct	tgttcagtg	ttaatctctt	780
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50 <220>
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 <223> n = A,T,C or G

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	aaggattcac	tggagatggt	atcctcggag	tgtccaagaa	tagtggtaaa	tcccaagcca	240
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10	gacgaacat	ttgtcaaaga	tattgatcct	aagacgtggg	ttgttactgg	agttgtgcag	360
	aagcccat	ctttcccggt	aagcaatgaa	ctgtcaatag	cagagaagtt	cagactagca	420
	tttgacagaga	gagatgcaag	aatggccct	aaacgtgcaa	agaatgcaan	ncaacgtcaa	480
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 <213> Arabidopsis thaliana

25 <220>
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 <223> n = A,T,C or G

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	acgttacaaac	atatcatttt	tttagcaaaa	gatcttgata	agagtgacta	tgaccgatga	180
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45 <210> 674
 <211> 836
 <212> DNA
 <213> Arabidopsis thaliana

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	atcatccttc	tagaatgtct	gccgtgggaa	gctcttgctt	gttccttttg	gttttctcta	780
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15 <210> 675
 <211> 836
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
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	accaccagct	ccttggtaca	tcttggaat	gattggggtg	cagatgctct	ccaattcctt	360
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	ctcaatctca	tccttgagga	gacgaccctt	gtcattgggtg	atgggtgatct	tgttcttctg	660
	tccgggtggc	ttgtcctcag	cagagacatt	gaggatacca	ttggcatcaa	tgtcaaagca	720
	gactgtgatc	tgggggacac	cacgaggagc	tggaggaatt	nnggagagct	caaatttacc	780
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40 <210> 676
 <211> 835
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(835)
 <223> n = A,T,C or G

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5	tgcacaacac	caggatgtgg	tgtgaggaaa	catgtagaga	gagcagcaac	agatccaaaa	360
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	ttaaatcaac	agcagcagca	acagcccgtt	gcgcggctan	nnnntaaaga	agagcaaaca	540
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10	acacttgtct	gaaaaatcta	gcagtttgca	ggaaagaaac	agcttcaaga	ggttgtagtt	660
	cttctatgtt	ctgggtgtaa	acttaaaagc	tttttagggg	tttcagattt	ctgtttacta	720
	atactgtatg	tgaattcttt	tgtacatgag	gaagaaaatt	acagggggat	atthttgtgt	780
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15 <210> 677
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20 <220>
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	cctcttctgg	actaaaggac	cctctgcaca	gaacacagtt	gggaccgata	ttcatagctc	180
	catcaaagg	gcagtttttag	tcacaattgg	ttgcttcagc	tatgcatggt	tcatagatac	240
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	aataggtaca	atagagggag	tagttgtagc	attagtgatg	gagaaaggaa	atcctagcgt	360
	gtggggcatt	ggttgggaca	ctaaacttct	tacaatcacc	tatagtggga	tagtgtgtct	420
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	agcacaagca	accacaagca	agcaaaaaga	acaaagaaga	acagtgatag	aatcagctca	720
	acttaacaat	cacgggtccaa	atgttttagca	tggatgagcc	ataacgtata	ccagctthtt	780
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 <213> Arabidopsis thaliana

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	cacttacact	attctctgga	accacaaaag	aatcatttht	accgtcgatg	gaactccgat	300
	cagagaattc	aagaacatgg	agtctctagg	cactctgttt	cccaagaaca	aaccaatgag	360
	aatgtactcg	agtctthtga	acgtgatga	ttgggcaacg	agaggtgggt	tggtcaaaac	420
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	gtggttggtc	caagagcttg	actcaacagc	tcaacaaagg	atgagatggg	tcagagggaa	600

5	ctacatgatc	tataattatt	gtacggatgc	gaagagggtc	cctcaaggtc	ttcctaaaga	660
	gtgcttagct	gcatagagag	agtaaagagt	tgagagagga	acaagatttt	atttttcttt	720
	gtgggtataa	aattctattc	attttattgt	agatcacgtg	aattttattg	atgtgttttg	780
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	tttttttggt	ttctcatttg	tttgaagagt	acaacgctaa	acagaacaca	caaaataaaa	180
	tcaagaggga	aactaaacca	aaaactaatt	taagtttcat	gaaaaatgga	gaaaacaagc	240
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	accaatatct	caaaactgttc	cactctccca	ccacaaccca	acacaaaacc	acaagtagat	360
	ccgaacctga	accgctttgt	cgactctctc	tctctctcag	tacctgtagt	gaggaggctt	420
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	cctggctcca	agcttgccca	agtgaagtaa	tgcaaccttc	tcataccaaat	gcttggggaag	540
25	aacgtacacc	ttcttctcgt	actttccgct	tgctttctcg	ttccagagct	cgagctgggc	600
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	caagttcatc	agacgaccct	cagccaagac	aatgattcca	gccttgggtc	ctgggaacac	720
	ccacctgtca	gtctgtggct	tgatgggtgat	acgcttcaca	ccagggttaag	tctcaagtc	780
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	gaatcatcat	catcatcatc	aacaacaacg	tcacctgagg	ttgagactgt	ctcaaaccgg	300
	aaaaaaacaa	agagggttga	agaaacgaga	cattacagag	gcgtgagaag	gaggccatgg	360
	gggaaatttg	cagcagagat	tcgagatccg	gcaaagaaaag	gatccaggat	ttggttaggc	420
	acttttgaga	gtgatattga	tgctgcaagg	gcttacgact	atgcagcttt	taagctcagg	480
45	ggaagaaaag	ctgttctcaa	ctttcctttg	gatgccggaa	agtatgatgc	tccgggtcaat	540
	tcatgccgaa	aaaggaggag	aaccgatgta	ccacagcctc	aaggaacaac	aacaagtact	600
	tcatcatcgt	catcaaaacta	atgggggaat	agtgatgttt	aattagtata	tataggttaa	660
	tatcttaagt	atgtgaagca	tcatgtatag	agccaagaac	ctgttagact	agtgtactga	720
	aaagaactct	tgcaaaatat	gtactaaaga	gttcctgtaa	caatgggaact	tctgcgtttt	780
50	ctcttgctct	aaagagctta	aggttctaga	aacaaagttc	ttgtcaaaaa	aaaaa	834

<210> 681
 <211> 834
 <212> DNA
 55 <213> Arabidopsis thaliana

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   cagtataccg acagtgatgc tcataggtgg gttagccaca gaaaccacag gggaaatatt      180
   tgcggagttg atttcatatg gctctgtaac cctagtgatt caagaaaacc attgagaaca      240
10 agttgggtgg aagctgtttt cagcattatc aagtatcaac tacacaaagc ttccatagcc      300
   gaggacgatg cctttacttt tcttggggca aaaaatcaca gtgattcact aacctactct      360
   gacttttgcc tagcacttca aaaggtaaat ctaacgggta ttccacatgg acttagcttc      420
   gaagagacaa aagagctatg ggtccgagct gatcctgatg gaaatgggtg cttcgactat      480
   gaagaactta agaaaatttg gaacatgacg atggtaaatac aacctggaaa ctgcaaagag      540
15 agtgtgatgg agagtaagaa agaagaagga gaagatgaag caatcggatt gaaagtgaat      600
   aaagcaattt tgtttccaca agaagcagag aaaggattgt ggccggagaa ttacaatata      660
   tccgatcatg cttgtctcac cgtacaattc tctccagtca aaatgctttg tagctaaatt      720
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   aaatgagagc cctcatatca acccaaagcg gcggtgctgt tggagagaat tggcgcggtgt      180
35 acttctacgt gtcgccttac gagagaacga ggacgacttt gagggaagta ggaaaaggat      240
   tctcgaggaa gcgcgtgata ggagtgaggg aagagtgtag gatcagagaa caagattttg      300
   ggaattttca agtgaagag aggatgagag ttgtgaagga gacgagggaa cgtttcggta      360
   gatttttcta tcgttttccc gaaggtgaat ccgccgccga cgtctacgat cgtgtttcta      420
   gttttctgga gtctatgtgg agagacgtgg acatgaacag gcatcaagtg natccatcaa      480
40 gtgaactaaa cctagtgatt gtgtcccacg gactgacatc tcgagtgttt ctaacaaaat      540
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   ggtgtcgtgt aacaacatca aacgattctt gttcattgca tctcaatgag tattttgatt      780
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50  <213> Arabidopsis thaliana

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55 tggaaaccga aagagtgggtg ttggtgtggc ttctatggga gttatgagac ctgagttggg      180
   gatgaaatct attgtccctg ttgttatggc tggagtgttg ggtatctatg gattgatcat      240

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5	tgctgttata	atcagtaccg	ggattaaccc	caaggctaag	tcttactacc	tctttgatgg	300
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	tgggatgatt	cttatcctta	ttttcgcaga	agcgcttgct	ctttacgggc	ttattgtagg	480
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	gcctatcttc	attctccttt	tcttttccgg	tggttactct	cgatgtaga	attttattgt	720
	ttgattctgt	aataaagaag	ctctgaggag	tttggtatgt	ttttgtattc	ttgtatttgt	780
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	ttcaagcatt	tgaacaactt	tgctcatcga	gggtctcggt	tgnatatctt	cttgatataca	360
	ccaaagtgcg	gttttcatag	ccctttgaac	cccttcgtca	gtcacatcaa	cattcttcat	420
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35	aaaatggcat	ttctccgaag	tttctgatgg	atcatagttc	tttcttcttc	ctattaactc	540
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	ccattctgga	gccaagtagc	ctcttggtcc	gcgcatgtgt	gtgaagacat	ggctttgttc	660
	gcggtcatg	agcttcgcca	gtccgaaatc	ggataccttg	gcattgaagt	tatcgtctaa	720
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 <211> 833
 <212> DNA
 <213> Arabidopsis thaliana

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50	cataactccg	accaatgaga	tagagcattg	ttcccatagc	gaaagaaaat	gaataaatgg	180
	tctgagagat	gagaaagaag	ctccaaaaca	caaggatctc	aaatagatag	tgagggcata	240
	tgattatata	aaagagacct	ccttttggtg	tcttgtaact	tttcttccca	tcttctttcc	300
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	caactccggc	gagtttcata	tcgaaactcg	gctcggtgaa	tcccaaggtg	agattttgac	420
55	tgtataacat	caatgctgtg	gatgagaaat	agctgctact	tatggtgaaa	gctgagtcta	480
	tagccatccc	tccactgtat	ttatgtatga	acagaacctc	gaataccctc	ttgaagaaat	540

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	agtatttgag atgctttcct ctgatttcag accaaccgat attggccaga gcggctacac	780
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25	gcgagcctta agcaccacac ctttgagaat ccccggtggc gcgctatatt cctccaccat	240
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	ggaatgagcc agaaaagaaa agaggaagaa gatgtgacca aacatggcaa ggacaagtat	240
	agaagtgtatt ctctgtggcaa ggaagtgtgt agagactctg atgacagtga ggctgagtat	300
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gagcatctga ttgcaccgct ttcagttctt ttgtataaac atcatacatc atctgcatag 780
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<212> DNA

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<213> Arabidopsis thaliana

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gtaggaaacc gatatactgt agttgtctct tgattttctc aaagatcagc aaagaccgcg 180

5 aatatgtcac cattgatgta atcgtttctcc accaagctta ccaaatagta gctgtttcttc 240
 acctcctcga gcaagtttctt ggaagggtcg gcttctgggt acaagtttagc ccagcttctt 300
 gaccaagtct caaatgcttc atccttccag acgttgaagc tagcgggatc gacaatgggt 360
 gggtgaatga tttccttagc cgggaaaact cccaagtta cagcattcac atcagcttgg 420
 gcagtgttcg ataccactg ttctcctttg ttcacagcca tgtaagtaat cgatggcaaa 480
 10 gctttgcatt tctccaccac tgcattctaat ttctcctttg agcagaagaa ctctagataa 540
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 cttttaaggt ttccaaggca gagctccttg aatttctcct gaatatcttc aacacttttc 780
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<210> 691

<211> 832

<212> DNA

20 <213> Arabidopsis thaliana

<400> 691

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 25 tccagctatc tatccgagag accctgaagg tatggatgat gttgcaaacc ctaaaacggc 180
 ggcggaagaa atcgtagacg atactccccg accgagttta gaagagcaac cgcttgtacc 240
 gccgaaatct ccacgcgcca ctgcgcacaa gctagagagt actcccggtg gtcacccgtc 300
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 cgtgagctgt gctggttttag acggttcacc atggccgaga gacgaaggag aagtggaaga 420
 30 gcaaaggcga agagaagatg aaacagagag tgaccaagag ttttacaac accacaagc 480
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 ggcggaagaa tctttgatga aagcaacaat gatattcaaa cgcaacgcag aacgtggcga 660
 tcttgaaacg tttcctcatt ctagaatctt aagagaaatg agaggcgagt ggttttaaac 720
 35 taaagaccac aataaaatgt taagaagtgt ctgaataaac ttttgtcaat tagcttcatt 780
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<211> 832

40 <212> DNA

<213> Arabidopsis thaliana

<400> 692

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 aaaaaaattg acttttagct ccttgaaatc tttgttctta tagttcaaag ctaattagat 180
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 ggtatgcggt ttgctgagct caatcagaac gcaccaaccc aagactgata tagtctgctt 660
 55 ttttctgttt ggtatttcgt acggtttacg agtccgaaac cagaataaac cggttggtta 720

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10 <212> DNA
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15 <222> (1)...(831)
<223> n = A,T,C or G

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catccagatt tgctcagcaa atcaactcca ccacgaactt tccctctacg ccttgccggc 240
aatgttggtg gacaaccagt caagaccttc gtaaagcccc tcgcctgaag tggcacatgt 300
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25 agctgcattc atagcatttg ggagatcctg cttgttagca aatacgagca gaacagcatc 420
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35 <211> 831
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<213> Arabidopsis thaliana

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45 acccgagata ctogaaccca tcatacagg aggaagcagc gaaacgcgat caagaacttc 360
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55 <210> 695
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5 <212> DNA
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<220>

<221> misc_feature

10 <222> (1)...(830)

<223> n = A,T,C or G

<400> 695

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	agttgctggg	gtattgatgc	tatgctttct	atattacaca	caaacaatta	nnagactata	180
	cataacaagg	ctaaagactc	gatgtcgtat	gttaagaaga	ttcttggtgt	tgacgacgca	240
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	agagctgagt	ttgccatttt	gctttccact	cactcttctc	ttccaccact	tcctgatcgt	360
20	aacgggtccg	gcgtcgaccg	gagaaagaaa	aagaaaaccc	catagacaaa	tcacggtcac	420
	ataaaaactct	ccggcgagga	tcggagagag	tttcgtaagc	ttcttgaact	cgaataaacc	480
	gatctgtgta	ttcttcgaca	cgatccggag	gagaaacatc	ggggtgatat	tttcgagcaa	540
	gttgtttata	agcttggttg	atctctggga	gtgtgactga	ttcggtgacg	ccgagaagat	600
	cgtagaagga	taagtcttcc	gattgtttta	ctggatcgtc	gtgggttaat	cgagattgga	660
25	tccgggtgga	ggagaatcgg	gttcgggtcg	ggtaagagat	agttgttggg	attgaagttg	720
	gttgaagaga	ggagattggg	tggtgtttgt	agaagaatgg	gtgggtgattg	gttgagagaa	780
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<210> 696

30 <211> 830

<212> DNA

<213> Arabidopsis thaliana

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35 <221> misc_feature

<222> (1)...(830)

<223> n = A,T,C or G

<400> 696

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	tcttcaactca	ccgccgccgt	cgtcaccgcc	gccgaatccg	atactccgac	ggcttattca	180
	ctcctccaaa	gctacaactt	ccccgtcgga	atccttccaa	aaggagtcgt	agcttatgat	240
	ttagacacaa	caacaggcaa	attccatgcg	tatttcaacg	attcatgtag	cttcaatctt	300
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	gttattagaa	acggtgacga	gatggagttt	tccgttggga	tcacatcggc	gaatttcgcg	480
	atccaagagt	ttttggaatc	gcctcagtg	ggttggtggc	ttgagtgcga	ggattcgaaa	540
	ttggacatga	ttgagagaat	cccttttctt	tcttcgtctt	gaaattgaaa	aagggtacaat	600
50	ctttntttgt	aatttgtccc	caaaaaatct	tacctttcga	aaagatcgca	tcnnntatgt	660
	attgtccaat	aatatgagcg	tagtnnntgg	aatttghtaat	tgtttacttt	agttctatgt	720
	attggattca	agttctgtaa	tggtgaaaag	aaaagatact	gaaggagat	gtgaacattg	780
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55 <210> 697

<211> 830

5 <212> DNA
<213> Arabidopsis thaliana

<400> 697

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	tttggttgag	aaatggcttc	gaaacggatc	ttgaaagagc	tcaaggatct	ccagaaggat	180
	cctccaactt	cctgcagtgc	tggcccagtt	gctgaagaca	tgtttcattg	gcaagctaca	240
	ataatgggtc	catccgatag	tccttattca	ggcggagtgt	ttctcgtaac	catccacttc	300
	ccaccggatt	atcctttcaa	accaccaaaag	gttgcattca	ggacaaaagt	gttccaccct	360
15	aatgtcaaca	gcaacggaag	catttgcctt	gacattttga	aagaacaatg	gagtcctgca	420
	ctgaccatat	cgaagggtttt	gctttcgata	tgttcattgt	taacggaccc	aaaccagat	480
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20	tcttccatga	aataagttag	attcctatgt	tttatcatct	ctttgtttga	aacctcttta	720
	atctcaaaca	aaaacattcc	ttctcctctt	tacccatccc	tatgtttcct	atctttgttt	780
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<210> 698

25 <211> 829

<212> DNA

<213> Arabidopsis thaliana

<400> 698

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	ccgagttctc	tcctaagtca	actccattat	tgctgagtcg	ggtcaaaacc	aacacaacac	180
	ttctctcagt	aagatctttt	accatcgttt	gatccaaacc	caccaaagct	gctccttcca	240
	cttgactgag	aagaacggtc	tgaaccaa	cctcctgaag	aaccgcctga	accaaagctt	300
35	ccgaaaccag	atgagcggtc	tgaaccacca	gagtaacggc	tgcttgatcc	ccctgaacct	360
	ccataactac	caccaccacc	acctgaacgg	ccactgctgc	caccataacc	tccataacta	420
	ccaccacctg	aacggccact	gctgctaccg	taactaccat	accaccacc	gcctgatcga	480
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	ctttccacag	caatgctagg	cagctcattg	aatctgcttc	cgacttcttt	ctcaatcatt	600
40	ttaacagccc	tggtttgatc	ttgaccgtgg	atgagaatcg	cgcttccttt	ctttccagca	660
	cgaccagttc	gcccgttcg	gtgaacaaac	gtctccgtgt	tattaggaag	ctcataatga	720
	attactaaat	cgacattagg	tacatcaagt	ccacgggcag	caacatcagt	tgcaacaaga	780
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45 <210> 699

<211> 829

<212> DNA

<213> Arabidopsis thaliana

50 <400> 699

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	tccctcccaa	aacggcgccg	tctcgtgtat	gcctcccact	tagattctcg	gtatcagacg	180
	atgtctcgtc	ccctttcgaa	tcgacgggtca	agagcacatc	atcccggtcc	tcctccggcc	240
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	tcgtcgggtca	gggtgttagt	atgtgtgacc	ttactggggac	tggtctaata	gctgtttcta	360

5	ctcacttcga	tattcctttc	atctccaaga	gaacacctga	gtggctaaag	aaaatgtttt	420
	cgactatcac	taagagcgag	aggaatggcc	ctgtgttcog	ttttttcatg	gatcttgggtg	480
	atgcagtttc	atatgttaaa	aaactaaata	ttccaagtgg	agtgggtggg	gcttgtcgac	540
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	cagatggaat	taagtgggat	accccatact	tctttgataa	agctgtactt	gataacattc	780
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<210> 700

15 <211> 829

<212> DNA

<213> Arabidopsis thaliana

<400> 700

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	catcacacgc	gtcgtctgat	catcctccga	ttcaggcgag	tcaataacca	gagagacttt	180
	ccacggcctc	tgcttcgtct	tgaaagacaa	catcgacacc	gatcaaataa	tccccgccga	240
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25	taacggctta	ccaaaattct	acaacgaacg	tttcggtgtt	ccaggagaga	tgaaatcaaa	360
	gtactcagtc	atcatcgggc	gcgataatct	cgggttgcgga	tcttcccgcg	aacacgctcc	420
	agtttgtctc	ggcgcgggcg	gagctaaagc	tgtgggtggc	gaatcgtacg	ctaggatctt	480
	tttcagggaac	tgtgtagcta	cagggtgagat	tttcccgttg	gaatcggagg	ttaggatttg	540
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30	gctgatcaat	catacgacga	ggaaagaata	caaactgaaa	ccgctcgggtg	atgccgggtc	660
	ggtgatcgac	gccgggtgaa	tcttcgctta	tgcaagaaaa	gccggcatga	ttccttctgc	720
	ttgaatgtaa	tccgatccat	aatttatcgg	ttctgagttt	aatccgggtt	ggtttatttg	780
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35 <210> 701

<211> 828

<212> DNA

<213> Arabidopsis thaliana

40 <400> 701

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	tccccaatta	cactcgtttt	tgttttcatt	caaagtttat	gacagggaac	acgatcatac	180
	tccgccttgg	cctcctcggt	cttttaattg	ttgaaatgat	gaagtaaacc	attgcttcca	240
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	gttgacgtaa	agcaactggg	attgcacggg	aacatatctg	aagtttgcaa	tctgaagaag	360
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	cacttcagct	gtgttctttc	ctgtggcgaa	tcccatgtat	gtgaagaaca	ccagtagatc	480
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55

<210> 702

5 <211> 828
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 <223> n = A,T,C or G

<400> 702

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	gtcataccat	aagagtatta	ataaaacaag	acaaaattaa	gatagagaga	gtagcaacca	180
	ttgggaaaaa	ggctagtacg	agtcttggtg	aagcttaaag	cttgtcttcg	aactcagata	240
	gtggagtcac	cgcttccttc	aatcccttcc	tcttcctgat	atcagccacc	aaaactgaag	300
20	cctgagtacc	tggtctcaaga	gggtcagaag	acatcatttc	ccaatgatca	aacacacact	360
	gtgggaatgc	ctgtcctgag	gttgctgccc	taagctgact	tgagaatccg	aaagactcca	420
	caacaggcag	gtatgccttg	atgttgatca	agggagttcc	tggcctctgc	atctcctcga	480
	acacgtgtcc	acgtctctga	ttcagcacac	tgtagattcc	tccaagagct	ccctctgggtg	540
	cctggatctc	aaccatgtaa	accggctcca	aaagtctggg	cttagctgtg	atctgggaag	600
25	cgtatatgac	ccttctgggt	gtggggataa	cctgaccacc	tcctctgtgg	atggcatcag	660
	agtgaagcac	cacatcacat	acctcaaaac	agatacctct	catgttctct	tcagcaagag	720
	gaccttcctt	nnncgcccac	tggaaccag	caacaactga	atccttgatt	tcgttaaggt	780
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 <212> DNA
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 <223> n = A,T,C or G

40 <400> 703

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	gagctatttt	tgaacttgca	atatcccagc	cagctcttga	catgcctgag	ctgctttgga	180
	aggcatacat	tgattttgag	atatcagaag	gggaattaga	gaggacaagg	gcttttatatg	240
45	agcgactctt	ggaccgtact	aagcattaca	aggtgtgggt	tagctttgca	aagtttgaag	300
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50	nnnngaagct	caagaaaaga	aaggcgatca	ctagagaaga	cgggtcaaca	gagtacgaag	600
	aatacatcga	ttattttatac	ccagaagaat	cgcaacaac	gaatctcaag	attcttgaag	660
	ctgcatacaa	atggaagaag	cagaaggttg	ctgcttctga	ggatgattga	gattaagctt	720
	ttttcttaag	ttatatcaaa	agtcaaaact	gtgaaatgtg	ttttgtattc	ttccttagct	780
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55 <210> 704

5 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

<400> 704

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	acttgacaag	aggaaaaaaa	aaaatactac	ataaaacata	cacacatata	aattttttatg	180
	taaggggcca	tggttcttag	gttaaaactg	cggagattga	atcagcgatg	gagacaatag	240
	tcgacgggtg	gactccacga	cttccggaca	aataccatct	ctgcatcatt	cccaccacat	300
15	tgcattcttc	caccttcagt	ttctcctctt	ctttaccttc	cgtctcaaac	ccgatctcgc	360
	aaatgccatc	tttggtgag	aaatggtaag	tgataacgga	gttagctttg	aagtacttgg	420
	actggaaaaa	gccaacgacc	ttctcgagct	cagtttcttc	ttcttcctcg	tacttatcct	480
	cctcagccaa	acgatctctc	accgtattct	ctagctgcac	tccgtactga	gctcctttta	540
	tctcctttat	caccaccact	cttataacct	tctccatctc	cgcgagggca	agggcgctga	600
20	agaagtcatc	atcgccggcg	agttcttttc	cggttttgcc	tttccagtta	tcaagatgtg	660
	ttttaacatc	tgaaggatct	aagtaaaactc	cgatcgagc	gaacttcact	tgaagaaagt	720
	ggatctcaat	gtctgtgatc	ccttggccca	gaagagagag	tggcttgga	gtgatgatct	780
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25 <210> 705
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 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
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 <223> n = A,T,C or G

<400> 705

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	gccccaaact	cttgggaaag	gaatggc	atc	tttgatatca	ggaagcccgg	tcgcatacag	180
	aagcattt	gt	tccatgctta	ggcttattcc	tgaatgtttc	actgtcccat	gcctccttaa	240
40	atctaagtac	cactcgaact	tctccnngt	gaatccggnn	tcccogatcc	tcgcataccag		300
	aatctcaann	nnntcttcgt	tttggctccc	ggtgatcaca	acaccaacct	ttggtacgac		360
	cagatcaaac	gctgctacag	tcttcttatc	atcattcaac	cttacgtaaa	actgtttaat		420
	tgcttttcggg	taggtatgta	caattacagg	acctttgtag	atctcatcag	tcagataact		480
	tagatgctct	gttgttaaag	caactcccca	ctcaggettg	gtttcaaatt	ttgtagtgg		540
45	tgcccttttc	agaagactaa	tcacttcggt	ataggagaat	ctcaaaagg	agctggatgc		600
	tggtgcttcg	agacgtgtgg	tgatggctct	gtcaactcgt	tttgatatga	atttcatgtc		660
	ttcatcgca	ttttccagaa	catatttgca	gaggaacttg	aagtattcat	cagcacaatc		720
	catagcatca	tccaattccg	cgaaagccat	ttcggtttcc	acattccact	tctctgccaa		780
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50 <210> 706
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 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 706

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cattctagag ttcaagtatg gttcttccca cacggtggat gtggttgaca aagccggata 180
tgatggctgc gacgcctcct cctcgactga gaaccattcc gatggagaca ccaaaatcga 240
tcttaagact gtaggaataa actatttcat ctgttctaca cctggtcact gcagaaccaa 300
10 tggcggcatg aagctagccg ttaatgtcgt agccggttct gccggacctc cggccactcc 360
cacgccacct tcttcaactc cgggaactcc taccacaccg gaatcacctc cgtctggcgg 420
atcaccacaca cccaccacac ccacacctgg tgcaggttca acttctctc ctcctccacc 480
aaaggcaagt ggtgcgtcta agggagtgat gagttacgtt ttggtgggag tctcgatggg 540
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15 gccttttttaa attattttgg tttttggttg taagagaatt tgggtttgtg tgccacgtca 660
gaagctcttc attattcgta ggatttttat tatctcggca tttgattatc gttatcatca 720
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20 <210> 707
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<212> DNA
<213> Arabidopsis thaliana

25 <400> 707
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gtttgctata taccacagtt tccaaaacta aacatgaaag ttttctcttg acatgaatca 180
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30 atggaggcca cagaacttgg ttgcggtttc tgtgaatgaa ctctgttgtg tgttgtagg 300
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35 tcaacatacg gaagaaaccc aagtaggac caatcaaaag aacgaaagca atagccagat 600
agagaaagca gtgcctctta gttacagcaa aagcaacaac attgaataag aaaccggcaa 660
taagaatcat atgaacagca cctgaagaa agcaagaacc aaaaccagtc cttgtcatgt 720
ttttcccgaa tctgtagcat ggacagcaag cagattcgat acagagatga cgatcttcaa 780
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40 <210> 708
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<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
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<223> n = A,T,C or G

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cgcaatttca ctaatcaaca tcacatgctt ttcagttttc gttatcatta tttatctata 180
55 cgaggatgaa aatataaaaa attacgaaga aatggaacac aacttcgagc cccagccatt 240
gtttatagaa gctttgagcg tggttcctgc ctggcacaga ggtcggtcga ccactgttgt 300

5	taccatcatc	ggatcctgaa	gtcggagaaa	tgcttatagg	tccaggggac	gagccagtgg	360
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	ctgggagaatt	cggatccaag	tgaagcaaag	cagggcattt	agtgacgtca	gcagcggcgt	480
	gacaaacaga	aggaagtgcg	agagctagag	agacgttgat	ctggagaccc	aatcaggat	540
	cattcctgtc	ttgaatgata	acacaaagac	acttcttgtt	tgaattaaga	acttgtttga	600
10	gaccggagca	acagtctggc	gtcggagatt	ttgcttgctc	ttgcacgtaa	ggaagacacg	660
	tggccatacc	gaccnnnnnc	tcctacact	cctccttgct	tttcgtctta	tcacagcag	720
	ctgccaccac	catagccacc	actattaaag	ctattgctgt	cgccattagg	ttaatcttcc	780
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15 <210> 709
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 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

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	ggtttctacg	acccagtggg	tataacaatt	tcataaaaatt	catagccacc	ggttaaacct	180
	ggaccaata	ccgaactcac	acacataact	gaaactccag	ttcacctcct	atagccggtt	240
30	cccttctctc	acactctcag	aaattttcaa	nnaattttct	accgtttcgt	tatctacaaa	300
	tccactataa	atacttcaat	cttcagcttt	gtattattct	cttaacattn	nattactctt	360
	atccttttac	cctcatcatc	ctccactatt	tacagttttg	ccactctgac	tttatgctag	420
	cttcttccgg	tgactggcga	taacacgaga	gagccttcgc	cttctccaag	cttcatactc	480
	ttccgacgat	aaagattaga	agacatgaag	aacggtaacc	ggaaaacaac	gccggaaaca	540
35	gagaagtctc	accggagaaa	gttatcagag	aaagcgatgt	cgtttcacgg	cagaggaaca	600
	acgccgttat	caaatccagg	cgagcttcga	agaccgaaaa	cgttaccgga	gttattctcc	660
	accggtcaaa	gcatcaccgt	accggagacg	gtttcacttc	cgccacgttt	gacgaaactt	720
	ttacttaacg	tgacggtaca	aggaagttaa	ggagccgtac	aaattataat	ctcgccggaa	780
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40 <210> 710
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 <212> DNA
 <213> Arabidopsis thaliana

45	<400> 710						
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	tcattggttc	ttcttctaac	ttaccagtag	taagagttc	aagagaacca	ccactagtct	180
50	ttcaagagaa	gacttctacc	tgagactcga	actgtggcta	ccaacacca	gaagatggca	240
	cacaaagcac	ccacgattga	taatagaaga	aaacctctgt	ttctaatacc	cttctttgct	300
	atggtagtac	tactggcgt	tccattagcc	tttccattga	acctcatacg	gctgaagcta	360
	gacatacgta	caaaggttcg	gttaaggggg	ccctcacacg	cagaggctgg	cgttgaaggt	420
	attgagtcca	ttaatgccca	caaagccgat	gagaactggc	ttgttggtcc	accaccattt	480
55	tggatttcat	ggccttgggc	attcacactc	atagtaggat	tggtggaatc	aggcatcaca	540
	cctgatgagg	gtgaagcaaa	tgctccagaa	aaggattgtt	gttgatcaaa	tagaatggcc	600

5	tgatcatcct	cgaaccaa	atcgctagt	atttgattga	gagttgtact	aggatccatg	660
	atgttggttca	gctgggttctc	gggagtctgg	tcctggaact	gttgataaag	gagttgctgt	720
	ttttgggtctg	atgtgtagtt	agcagaatca	ctcagagaag	acagatttgc	agaagttccc	780
	tgatcaatag	gttccatata	caaagacatg	gaaacgtcat	ggaaca		826

10 <210> 711
 <211> 826
 <212> DNA
 <213> Arabidopsis thaliana

15	<400> 711						
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	aacttagaaa	aacattgtat	ggttatatgt	ggatgactta	ttctcacatg	gtgttttagaa	180
	gaaaccattc	aaaaattcaa	aaagaagctg	aattcttcat	gtaaactacc	gagccaatgg	240
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	aatcgctcct	ccccttgaat	tttcagatgt	caaacactcg	tttaattcaa	taacaacttg	360
	agacatgttc	ggctcttctag	ctgatgaagg	attaagacaa	cacatcgcta	gctcaacagc	420
	tttccaaaca	gaagtggaa	cataatctcc	atttagactt	ggatccatta	tattttttat	480
	gtctcctttt	gtaagcactt	ccccaaccca	ttctgctata	tgtggctttt	cacgtcttgg	540
25	gtctatcacg	ggttgggtttg	tgatgatctc	taacaatacg	actccgaaac	tataaacatc	600
	actcttttca	gtcaaccaat	ttgttctgta	gtattcggga	tcgagatata	caggagtctc	660
	agcaacagct	gttgaaacat	gagtttcacc	ttcaatcggg	aatgatctcg	agagcccaaa	720
	atcagcaagt	ttggcatcaa	attgttcatt	caacaatata	tttgttgttt	tgatgtctct	780
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30 <210> 712
 <211> 826
 <212> DNA
 <213> Arabidopsis thaliana

35	<400> 712						
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	tagtaggaga	tgatttctat	ctaagtagag	aaatataaag	gaacaagcct	atcctcagca	180
40	ttctaattgg	ttacagcaga	agccatggct	aagggtgact	tatgcttaag	gtaagctttg	240
	atgaaagggg	caaagtcacc	atccattaca	gatgtgatata	cagaagtttc	atgacctgtt	300
	cggacatcct	taacgagttt	gtacgggatga	aacacgtagt	tcctgatctg	ctgtccccc	360
	tcagctttca	ctgcatctcc	tcttatttcc	ttgatttcag	tagcacgttg	ctcctccgca	420
	atcaccatca	gtttcgcttt	tagtctgatc	agagctctcg	tcttggttcg	cagttgactt	480
45	ctctcctctg	tgcaacgaac	agcaacacca	gtagggatat	gagtaatccg	tacagcagtt	540
	tcaaccttgt	taacattctg	tcctcctttc	ccacctgccc	tcgtgaaact	aatgtcaagg	600
	tcctcttctg	gtatttcgat	tcccaccgct	tcctcaggca	aaagcggcat	cacttccaca	660
	ccagaaaagc	ttgtctggcg	aagacctttc	gaattgaaag	gcgattgtcg	gacaatccta	720
	tgagttcctt	tctccctga	aatgtaacca	tatgcataac	gcccttcaat	ttcaagagtc	780
50	gctgacttaa	tccctgcctc	ttctccatta	gacatttcaa	caactt		826

<210> 713
 <211> 826
 <212> DNA
 55 <213> Arabidopsis thaliana

5 <400> 713
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 aaagggttct taggccaatc tcaaagccct tcaaagtctg tttatataca ttgttttgtc 180
 tcttaaattc ttataaattc ctcattacct cttttcacat cacgcaacat ttcaccacta 240
 10 gtcccttttg gtctgtctctg ccttctctcat taccttccaa gggttgagct aacttgcggt 300
 tctgcatga catcatttct tttttaagct gaatcagtag atcctccatt gtgaattctc 360
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20
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 <211> 826
 <212> DNA
 <213> Arabidopsis thaliana

25
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 ccactgattg cgataggatg ggtaggcgct cacactattt tagagaacaa gattcaagct 180
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 35 cacgttttgc aaaagatcac tggttctgga aaataaactt tatcgatgtt tgatggaatc 540
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 tatttctctg tttgtaggag tcaactgact cacttttttc ttcttgtaat gttttttttc 780
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<210> 715
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 <212> DNA
 45 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(824)
 50 <223> n = A,T,C or G

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 agattgaagt ctgtattttt cttctctttg tgtgtaaata tgaaacgaag gcggtcaaat 720
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15
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 <212> DNA
 <213> Arabidopsis thaliana

20
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 <222> (1)...(824)
 <223> n = A,T,C or G

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 ttnnnaagtc ttgttttagta ttcttttatt tctcaacttt gagagatctt ttgataagat 780
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 <212> DNA
 45 <213> Arabidopsis thaliana

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 55 tcttcaagta tcgccaaaac ctccatcagc tttcccaccg ccgccatttt ccttctgctg 480
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5	caaaaccgag	cagatgcgcg	atcataggca	tcagaaggaa	ggattgaagg	aacggagggc	600
	caagcctcgt	cgacgtattg	aacaacgttg	agggactcac	agatggagag	gtcaccatgg	660
	aggaggacag	ggacttttctt	gtggatgggg	ttagatttga	gaaggagttc	actcttttct	720
	ttaagaacat	cagggttcgtc	taagtactcg	tacttgacag	atttcaagtg	tagagccaca	780
	cgtgccctaa	gggaataagg	gctagaccaa	gaacctatca	gctt		824

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<210> 718

<211> 824

<212> DNA

<213> Arabidopsis thaliana

15

<400> 718

	ccacgcgtcc	gaaaataaatt	gtaccgactc	tctctctctc	tctctccgta	acaaaaaaat	60
	caccaatggc	aaaacaatat	ctctttgtac	tcctctcaat	ctcctatctc	ttatcactgg	120
	agctcacggc	ggccaccgca	gcctcacaga	cggagcttc	caaaaaagcc	ataaacttca	180
20	tccaatcttc	ttgcaaaacc	accacatacc	ctgccttatg	tgtccactca	ctctccgtct	240
	acgcaaacga	catccaaaca	agccctaaac	gtttagctga	gaccgctata	gccgtgacac	300
	taagccgagc	ccaatccacg	aagctcttcg	tctcgcgtct	aacacgtatg	aagggtctta	360
	agaagcgcg	ggtcgaagcc	atcaaagatt	gcgtcgagga	gatgaacgat	accgttgacc	420
	gtttgaccaa	atctgttcaa	gaactgaagt	tgtgtgggag	tgccaaagat	caagaccagt	480
25	ttgcgtacca	catgagtaat	gctcagactt	ggactagtgc	ggctttgact	gacgagaaca	540
	cttgctccga	tgggttctcg	ggtcgggtta	tggatgggag	gatcaagaac	tcggttcggg	600
	ctagaatcat	gaacgtggga	catgaaacca	gcaacgcttt	gtccttgatt	aatgcctttg	660
	ctaaaactta	ctaatttaaa	actataat	gtcctgtaaa	atatatatat	agataaatgt	720
	aatgtcttgc	taagagtttg	atgtgatata	tttttttcga	ttttggtagt	ttctttttgt	780
30	tttgtaacgt	ggtttataat	agtataatgt	gtattttgag	ctaa		824

<210> 719

<211> 823

<212> DNA

35 <213> Arabidopsis thaliana

<400> 719

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40	tgggtttgtc	ggaggttttt	tccctgtctc	taccaccaag	atcgcgtgga	aatcaagaaa	180
	aagatcagca	ttgttgaacc	tagacaaagc	accggagggt	gttacggagg	tcacaccaga	240
	gaagaacgag	ataacagcaa	tggataccga	gaaagttggg	gaaccaatga	ccacaactcc	300
	tcttctgtcc	gagaaaagga	aagctctgtt	cgagccactt	gaaccatta	cgaacttgaa	360
	cggaaagcga	ccaactgcgg	ctgattcatt	gttgccaccg	ccggatttctg	agactgcaaa	420
45	ctacccaaaa	ggctggttga	tcggtaaaga	gaggaagctt	gtgaatgttg	atgtagttga	480
	gagcatgcgt	agaatagctg	tccaagaaat	gaacagaaag	gatcgagaga	tagatgggtt	540
	aaacgagcag	ctagaagagg	attcacggtg	cttagagcat	ctacagcttc	agctgctaca	600
	agagagaagc	aagagaacag	agattgaaag	agagaacaca	atgttgaaag	agcaagttga	660
	tatgcttgtg	aacatgatac	aagaagatga	cgaagaagga	gctgaagaac	cctaagctag	720
50	ttctcatcaa	ttttatgtct	cacctataat	agctgtgttc	tggttttttt	attcttttgt	780
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<210> 720

<211> 823

55 <212> DNA

<213> Arabidopsis thaliana

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<400> 720
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atcgattcct acctctattc ccgtcaacgg aaacacgtta cctagttctt acggaactcg      180
10 caaagacgac agcccgtttg ctacgttctt tcgctccacc gaatccaacg ttgagaggat      240
aatatttgat ttccggttcc tagcgctttt ggcagtagga gggtcgctgg ctggttcgct      300
actctgcttt ctcaatgggt gtgtctacat agtggaggca tataaagtct actggactaa      360
ctgttcaaaa ggcattcata ccggccaaat gggtttacgc ctagtccaag ctatcgatgt      420
ttatctagct gggactgtga tgttaatat tagtatgggt ttgtatggac tcttcacag      480
15 tcactgcct catgatgttc caccggaatc cgatcgtgcc cttagatcct cttccctctt      540
tggtatgttt gcaatgaagg agagacaaa atggatgaag atcagctcac ttgatgagct      600
gaaaaccaa gtgggacatg tcattgttat gattctgcta gtgaagatgt tcgagagaag      660
caagatgggt actatcgcca ccggtctaga tttgcttagt tattccgttt gcattctctt      720
gtcctctgct tctctttata tctccataa tctccacaaa ggagagacat gaaccaatgt      780
20 atatgtacag acccaatcta tccaatatat gtgtttactc tgt      823
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<210> 721

<211> 823

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(823)

30 <223> n = A,T,C or G

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<400> 721
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35 catttattca aacaaaagtc caacacgatt aaacaagaag aatcaatatt ccattctttg      180
cagtagtaaa aagggacttc actaatcact tgaaaagcca aatgatttag tttttttttt      240
gtttcttcga agaaataaag aaagaaacct tcttttagcc cgagagagct gcgttgatgg      300
cactgtgaac ttcaacacca atctgtgcct ctgctttctc aagatctgtt gtggcagaag      360
caagtttctg ttggaactca gctaaacctt tttggacttg gctagggtca atgtgggtcaa      420
40 gcggcacagc ttccaccgcy attatgtcag cgacggaatt tgcgtggagg aatgcaaac      480
cactgctcaa gaagtatttc ttcacgtcag tgccttcacg gacggacatg atgccagggt      540
ttagctcagc aattgttga acgtgtccgg gcaagacacc catttgcct gttgatgcgg      600
gaatgatgac catgtcgacc tctttcccggt taagctcaga tgtgtaaggg aggacaaaat      660
tgacggtgag ctctgtcggg atagaagaag gagtggagg acgaggtttc atgaaagcag      720
45 aaggagtctg cgggtgggtcc atattcgggt cgactttctt ccatgcctcg acgaaagtgg      780
aatcgagcgt cgatggaagt tccgttgaaa aggcacgagt cgt      823
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<210> 722

<211> 822

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(822)

<223> n = A,T,C or G

5

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<400> 722
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agggtctttat caagtcgaca gcttttccga cgatccaaag ttgtcaaggc agtagcaacc      180
10 ccagacccca tcttggaagt acctttaact gaggaaaatg tagaaagcgt tttggatgaa      240
atccgacctt accttatgtc tgatgggtgt aatgtggcat tacatgagat cgatggaaat      300
attgtgcggg ttaagctgca gggagcatgc ggatcatgtc caagttctac tatgacaatg      360
aagatgggta ttgagcgtcg tctaattgaa aagatccctg aaatagtggc tgtagaagct      420
cttcacagatg aagagactgg ccttgaactg aatgaggaaa acattgaaaa ggtgctggaa      480
15 gaaatnnnnn nnnacttaat cnnaacagca gatggatcgc ttgatctagt ggagattgaa      540
gatccaatcg tgaagataag aatcacagga cctgcagctg gagtcatgac agttcgtgta      600
gcagtcactc agaaactaag agagaaaatt ccatcaatcg cagctgttca acttatatag      660
aaacaacaac tcttcttgta tgctttgtat tagctccctt gtatagtatt gttgtgcata      720
gattatgtgt tttgttgaca tttgctattt gtcctcaaat aagttttcaa catttttgtt      780
20 ttacttagaa aaaaagtcct tattatttaa aaaaaaaaaa aa      822

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<210> 723

<211> 822

<212> DNA

25 <213> Arabidopsis thaliana

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<400> 723
cttttttttt ttttttcacg atgaacaaaa tatgattttc atgtttcgaa ttcacaaaat      60
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30 tttacaagac ataaccggtt ttggttcatt tgttcaacaa acttaactaa atggctctga      180
aagatgttga aattgagtaa cacagtgagg acttcatgaa ctttcctttg ctttcttttt      240
agtcttcaag ctgttttggg gcaactgcgc tccaaattcc agccaagacg ctaccgagga      300
ttgagtgaca gacgctagaa acagcgcacg gtactgcagt gagtggattc ccaaaatgct      360
gtgtcgcaag aacaactcca agcaccgagt tctgcatgcc aacttcgata gagatagttc      420
35 tcgatgatgc cacatcaatt ccgagtattc ttgaaaacag atacccaaag agaaatccag      480
agatgtgaag aaggcatgaa gccaaagacta cttgtttccc agacatgagt attgcagatg      540
cgttctgacc gatagcatat ccacacagga ttgcaactgt tccaaccgca attggaggga      600
tcacaggaga gacgaatttc accagctttt taaagtattg gtttaagaaat gcaccagcca      660
aactggggag aagaaccacc tgtagtgttg acattagtaa tccaagagca tcaactgtga      720
40 tatactgctt ggcaagcttc gccgtaagaa gcggtgtcat aatcacagct gaaacagtgc      780
tagctgctgt catcaacact gatagcgcaa catttccacg cg      822

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<210> 724

<211> 822

45 <212> DNA

<213> Arabidopsis thaliana

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<400> 724
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gagcaggagg agtacgttcg gtatcttgag gaagctcatg ctcagcaaag tcttcaatgg      180
aggagcgtgt ttgtggttct tctgatctgc tttggagctt tctctttcta ctccattttc      240
cagcagttca tgtcaccatg ggaactgcgg tatcatgcct actttatgga agatctcaag      300
tcatggatgg tcatttcagc tgagtggatc gctatcatgg cttgctccct ctccattgtc      360
55 gggctacgag ataagaagaa tgatcataga cgatggttct ggtactcttg tgttggtgga      420
tctgcattga ccatcttttg gctttattac ttgctgaggc ttccgaaatt ccggtgggat      480

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5  gctatctggc ttccgtttgg gccgctttgt ggagctggaa tttgtctata cgtggaccat 540
   cttctagagg agtcatctga ggaagtgaaa aaactgagga actatatgta tgcataataa 600
   gcacggtaga gagataatag ctactttcaa acctcgtcag agtgaatttg tgatagcaag 660
   agtgcaagtt ttgactctat tatcccctaa agaacattct tctgttggtg taaatagata 720
   cgaaactctg aagttcgttt tgtttaaaaa ctcattgattg actcgaacta gattccagtt 780
10 catacatgta atactcttga tttattcaag caattcactt aa 822

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<210> 725

<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(821)

20 <223> n = A,T,C or G

<400> 725

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25 taaagggtgtc agagattgta ggttcccact tctgaaggat gaccatccat tgatcatagt 180
   gattccaccg gtttgagagg aaagnnnnnn nanaccataa tcgttgagata gatgggtttg 240
   tgaggcgatc cattagagtt aggggaantag cttcgatgag gtctgaagtg tccagttctg 300
   gtgcacgaat tcttctnnga attggtgggg atagttctct ctctattcat ttacctttga 360
   gatggtaggg gattcttgaa ctcattgatta cagagggcgt aaggtttgaa gcggagaggc 420
30 atcagggata aagtagagat tcaaacagtt tcagggtttc aaacaggata acagggatac 480
   acatgattaa aagtttgaaa aggggttaca aacagaatta gagagtaaaa gcagagacac 540
   taccgggatg catagagaag atacctccac ttctcgggtga ggtgaaaaca gttgaaaacg 600
   ccggaaaaag gtcaactgaa ctccatcttt gcccggtgat gttaaagccat ttttggaagg 660
   aactgttgga taattctgtt ttagtaaaaa gaggtagctg agatctgggt tttcaaaagt 720
35 ttccaactgc taatagactg cattggagaa agtgccctgg agaaaactca acgctctttt 780
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<210> 726

<211> 821

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(821)

<223> n = A,T,C or G

<400> 726

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   ctacaagtta aatccagaag atgcagataa tttgatgaga tggggagaag ctttactaga 180
   gttatctcag tttcaaaacg ttatagattc actgaaaatg attcaagatg ccattctcaa 240
   actcgaagat gcaatattga ttgacccaat gaaacatgat gcggttttgt gcttggggaa 300
   tgcatacact tcatacgcg cgtttgactcc tgacgacact caagctagat taaactttgg 360
55 cttagcttat ctgttcttcg gaatagctgt agctcagcaa ccggataatc aagtctacca 420
   taaatcactc gaaatggcgg acaaggctcc acaactacac acgggggtttc ataaaaaccg 480

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5 cttactctca ctattgggtg gcgttgaaac ttttagcaata ccgagcccaa aggtagtga 540
gaataagaaa agtagtgatg agaagtatat tggtatggga tgggtgattc tagccattgg 600
cggtgttgct tgtattagtt ttcgaaagct aaggtgaatg agcttgttgt gagaatatcc 660
acacagaaga tatgggcaaa ggagaaaaag gtnncaagcg taagaccctt agagcctagg 720
gtctctctct tatgtttgat gttttttaag agctttttgt gagtttaaaa caaaagtgg 780
10 accatacaat tccaagttat aaaaacaaaa aaaaaaaaaa a 821

<210> 727

<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<400> 727

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20 ggtcgtggaa actggggcac tactgaagat gatatccctc caacgtctga ggaacctacc 180
acagaggttg agaagagccc tgttgctgag aagcaaggag gtgaggatga aacctctgaa 240
gcaaagaaa aactcactgc ggaagagaaa gcacagaaa aagctgaaga agctgaagcc 300
aggagatga ctctagaaga gtatgagaaa attctggagg agaagaagaa ggctctgcaa 360
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25 tctaacaaga agaacaccga tgaagaaatc ttcatacagc tgggatctga caaggaaaaa 480
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gctgatggaa agaggtacaa cgggagaggt ggaggctccc gcggaagagg aggtcgcggg 600
ggtcgtggtg aaggaggaaa ccaaagggtat gcaaaagaag ctgcagctcc ggcgattgga 660
gacacagctc agttcccttc gttgggctag taaagacccc tggctccttc gcctcgctat 720
30 ctctgtcttt cgtttctctt tggttgaatt ttgttagttt tataattttt tgttacactt 780
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<210> 728

<211> 821

35 <212> DNA

<213> Arabidopsis thaliana

<400> 728

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tgccgatggg atcaggaaga cgatctactc taaaccccga cgcacctctt tttattccgg 180
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45 ttgattttga tgatatggaa gatttctttg aactgatgc tgctgagttt gatcaaggat 420
tcgatggaag aatgtattac caagcacctt ccgaatttgg ctttggaag aatggtgaga 480
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50 tatcttttagc caccactgta cttttgtaat ttttagtatt tgcttcacac aaaaaaatct 720
gtaactttgt atctttatga tgttcattct caaacttgct atcacaaaaa tgtaaaaaa 780
taaaaaaaaa aaaaatgtaa actttgaaga gaaatgagaa c 821

<210> 729

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(820)

10 <223> n = A,T,C or G

<400> 729

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15	aagcctactg	aatggccatt	gattttaagt	cacattgctc	ctctccttgt	cttaggcagt	180
	ggaaaacag	attggtttgt	tctgtttgag	cctacacaaa	atgcaatact	ggagcttttt	240
	ttattgcaaa	aagtgtgaca	ttagatctca	ggttgagttc	ttatgttgct	cgccacgctc	300
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	aatcctttcc	ttctagagat	aggtctggtc	ttctctgnna	agtgtcaagg	ataggttcag	420
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	ggtgactacc	ttttgggggt	atgctgctac	tatnntcga	aaggaggata	tgatgatata	600
	tacaggtcgt	tcacaacaaa	tgcaaaagtt	ggatgctcta	agatcatgtc	caattctctt	660
	gattggaact	atgctcttat	tgaggacgtt	atgaagactg	tttcaaagtt	atcattttat	720
25	ttcttttggc	tttggtagtt	gaatgtgttg	taacttctgt	ttggtttgca	attaacgtaa	780
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<210> 730

<211> 820

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 730

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	ttttacttgt	tttgacata	cacacaaaa	taaanaagac	tttatattta	tttacttttt	180
	aatcacacgg	attagctccg	gcgaagtatg	gtcgtcgtct	tcatcttctt	cctccatcat	240
	cagatttttc	cttaaatgga	agaaacccaa	cgaaactccg	atcttctccg	ttctcgtgtt	300
	ttcctctctg	gcttttattg	ctgggattgg	gaattttctc	ccgctctctt	gcttttttagt	360
45	tgctgattct	ttttccttcg	actttctatt	tccaatcttt	cttcttctct	ttgtgtatta	420
	gattattttt	agttttat	ttctgtggta	aaataaaaaa	agttcgccgg	agatgacggc	480
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	tgatgatcat	agcacagacg	acgtcgtttc	atggaacgaa	gaaggaacag	cttttgcgt	600
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50	ctcaagcttc	attcgtcagc	tcaaacactta	cgtgagtttc	actctaacga	aaactcattt	720
	actctcaatt	taatgcttca	tttaattcgt	ttggtgaatt	gaatcattct	ttttagtattg	780
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<210> 731

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<400> 731

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10	tgagaacgaa	agccatataa	cgctgcatga	cctgaaaggc	tcaaagctct	ctggaaacgt	180
	cttcaacatc	ctttttaatc	taaacaaatt	tatggcattt	gaaaccggg	atccgttcct	240
	cattcgtcag	gagcgcgaga	acccgacatt	gacagactgg	gaccgttttg	cacatagaga	300
	gtatattcgg	ctatcaatgg	aagaagatgt	tgaagatgca	tccaatggaa	gtgctgaggt	360
	ttgggatgac	tcgtcactgg	aggctccctt	ctgagttcaa	agaggtagca	agtcaacaaa	420
15	agaaaatcat	aatctctaga	atggatttta	ttttttaaaa	aaggaaacaa	aaaaacttag	480
	aagttgaagg	ttatggatat	gttggttattt	catcatatta	gttaatcatg	caaaagagaa	540
	acagaaagtc	cctgagaaga	atctttggag	ctttgttgag	aaggcaagtg	aaaaaacaag	600
	ggagaagcca	gtagtatcat	acttagcttg	gagttgtttt	ctaacttctc	ttcattttta	660
	gctgatttta	caactatatt	gattaataat	cgctcgtcgt	tagctcatcg	ctttacggct	720
20	tcttcatctg	tattgcattc	actttgctcc	atctctgggt	tttttgtttg	tactttagag	780
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<210> 732

<211> 820

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(820)

<223> n = A,T,C or G

<400> 732

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35	ccatcgccag	tgatcggaga	ctcggtgctc	agctacagac	aatcgccact	gatttccaga	120
	gaatctccaa	gatccacgat	cggtgtctca	tcgggtctttc	tgggtctcgcc	accgatgttc	180
	aaacactata	ccagcgcttg	gtgtttcgctc	ataagcttta	ccagcttagg	gaagagagag	240
	acatgaagcc	tgaaactttc	gctagtcttg	tctcagccat	tctttannng	aagagatttg	300
	gtccttactt	atgccaacct	gtgattgctg	gcttgggaga	tgatgacaag	cctttcattt	360
40	gcacgatgga	ctctatcgga	gccaaagagt	tagctaaaga	ttttgttgta	tctggaactg	420
	cttcagaatc	actctatgga	gcttgtgagg	caatgtacaa	gccagatatg	gaagctgagg	480
	aattgttcga	gacaatatcg	caagcacttc	tctcatctgt	tgaccgtgat	tgtctgagtg	540
	gttggggagg	gcatgtttac	attgtaaacac	caacagagat	taaggagagg	atcctaaagg	600
	gaaggatgga	ttgatctgct	tcttctatctc	aagttgtttt	ccgctgtaat	ccggttttaa	660
45	gtagtgtaac	cttcacatcc	cggtttaatt	atatgatcat	tccttggctg	aaattatggg	720
	ttatgtatga	agtttgattt	tcctcttgga	taatggatta	tatgatttta	attcgtagag	780
	ttatcgaaga	ataacacttt	taactaaaaa	aaaaaaaaaa			820

<210> 733

50 <211> 820

<212> DNA

<213> Arabidopsis thaliana

<400> 733

55	ttctggcgcg	gagcgccgc	ccgggcaggt	cgattctctc	tcttgagttg	aagaaatgaa	60
	gcacaacaat	gttatcccca	atggtcactt	caaaaagcac	tggcagaatt	atgtcaagac	120

5	atggttcaac	cagcctgcc	ggaaaaccag	aagaagaatt	gcgaggcaaa	agaaggctgt	180
	gaagatcttc	cctcgtccaa	cttctggacc	tctccgccct	gttggtgcatg	gtcagactct	240
	taagtacaac	atgaagggtca	gaaccggtaa	aggattcact	cttgaagagc	tcaaggctgc	300
	tggatatccca	aagaagtttg	cgcctacaat	tggatttgct	gttgaccatc	gtcgcagaagaa	360
	ccgatctttg	gaggggtcttc	aaacaaatgt	ccagaggctg	aaaacctaca	agaccaagtt	420
10	agtcattttc	ccgcgtcgtg	cccgaagggt	caaggctggt	gactctacac	cagaagagtt	480
	ggctaattgct	acccaagttc	aaggagacta	cttgccctatt	gtacgtgaga	agcctaccat	540
	ggaactcgtc	aagctgactt	cagaaatgaa	gtctttcaag	gcttttgaca	agatacgcct	600
	tgagcgcact	aacaagaggc	atgccggagc	tagagccaag	agagccgcag	aggctgagaa	660
	agaagagaa	aagtgaggtc	gttctttctta	ggtagaagaa	acttttatct	tatcaacttt	720
15	tggaaactgaa	ttttgtgtat	cagactgtct	tttctttcat	cagtttttat	ccttaaatct	780
	ttgattttgc	tgctaccttg	cttctcttga	tttatggaaa			820

<210> 734

<211> 819

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

25 <222> (1) ... (819)

<223> n = A,T,C or G

<400> 734

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	taagacaatt	gtacaaatcc	atgtaaaatg	gagttatcta	ctcagaagaa	gggaaaacag	120
	atttgtcacc	gagaaatgtc	gaaaacttgg	gagccaatta	gcatgctctc	ctttctgcca	180
	gagtgttggg	aatgtcgaat	ccaagagtta	ttacataagc	tttagtccac	ctgttacttc	240
	atcaacatta	tcaacaggtc	caagaatagc	cattactgtc	cttgaatttg	gagcgcactg	300
	tgtttttccc	gcatcaatgg	tgatatgggt	tggcagtttc	agggctcttg	ctctttcttg	360
35	caaaactagc	atctcttcc	cactttcaat	tttgacaaca	acttnnngct	gagcacaata	420
	ttcccatctg	ttcaaggcnn	ttggcgcccg	ttgaaggagt	ttntgtata	aacctaaagt	480
	tgcagtactg	cattgagctg	caatcttccc	tttaccatt	ttaagatcat	tcctcacaac	540
	caaaaccatt	ttgaaatttt	tgcgaaaatc	agcgagtttc	tctatctcga	ggggttcctt	600
	ggacttgggt	ttcttattcc	cgctggatcc	tgcactatag	gcgacagatt	tggaggagag	660
40	aaagattcgg	cgggtttgtc	gtaaagtgtc	gatgtaatat	ccnnntgcag	ctccaacaag	720
	taaaacactt	aataaccaca	ccaaatccat	acctcttaa	agtcttccgg	cggctgagct	780
	gtgacaagtc	tgtttcttcg	ttcaagtttc	aacgattttt			819

<210> 735

45 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 735

50	ttacatcggt	taatagttaa	ctaattaaat	ctcttataat	cacatagcaa	tgtcattacg	60
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	atcagaagga	ataacctcga	cgacggattc	acagccaaga	ttggcgtgaa	gatactcgga	180
	gacaacgact	ggtacagcta	agtccttaac	actttggaga	atgtgacacg	gaacagtgc	240
	aaaaggtaag	atctgtctca	tgtcactttg	gaaaatggtc	tggccgacgg	agagagctat	300
55	gtcgggacgc	atattgaaga	gtgttctgct	gaattcttga	acggcgatgg	agtccatgtc	360
	gccaccgacg	gcgagtggag	cgaaacctaa	gcaccacgct	ttgtagtgtc	ttcggtgggc	420

5	ttcgaatagt	tgggtttaagt	cttcttggtc	gaatccacct	tggtaatcaa	catcgtttac	480
	gtatctcgga	gaagcagaga	tcatgacgat	tttgagaaag	agatcaggac	ggttaagaga	540
	agccaagaca	ccaatcatgg	cagaaacaga	gtggccaaca	aagatacaag	actcaatctt	600
	gagatcttcc	aagattgcaa	tcaaatecga	agagtagcct	tcgagatttg	agtaacgac	660
	gaagtcgaaa	tagtcagggt	tggtcgtacc	ggctcccatg	ttgtcgtaga	ggacgacgcg	720
10	gtaatcgtcg	accagatgtg	gaaccaagtg	tttccatact	gactggtccg	tgccgaaccc	780
	gtgacctaac	acgatcgtgg	cttctcctga	accaatcac			819

<210> 736

<211> 819

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(819)

<223> n = A,T,C or G

<400> 736

25	gaaaccgctt	caaggatggt	gagtgaagga	gcaacaagaa	aagaacttaa	cctctgtttc	60
	gagaatatga	agatggaagg	agttttgatc	tctgagtggg	aagatatccc	tgtggagctt	120
	ctcatgaaga	ttttaaacct	tgttgatgat	cggactgtga	tcattgcttc	ttgtatttgt	180
	agtggctgga	gagatgctgt	ttcccttgge	ctcactcgcc	tctccctctc	ttggtgcaag	240
	aagaatatga	acagtttggt	tctatctctt	gctcccaa	tcgtaaagct	tcagacttta	300
	gtactgcgac	aggacaaacc	gcagcttgag	gacaacgcgg	tggaagccat	agcaaatcac	360
30	tgatcatgagc	tacaagattt	ggacttaagc	aaaagctcga	aaatcactga	ccattcccta	420
	tattcacttg	ctcgtgggtg	tactaacctg	actaaactca	accttagcgg	ctgcacttcg	480
	ttcagcgaca	ctgctcttgc	gcatttgaca	agattttgca	ggaagctcaa	aattctgaat	540
	ctttgtgggt	gtggtgaagc	tgtatctgac	aatacattgc	aggctattgg	agaaaactgc	600
	aatcagttgc	agtcactaaa	cttgggatgg	tgtgagaata	taagtgatga	tggagttatg	660
35	agtttagctt	atggttggtc	tgtatttaaga	actcttgatc	tttgtagctg	tgttctaate	720
	acagatgaga	gtgttggtgc	tttggcgaat	cgggtgcattc	antngnggtc	attgggctta	780
	tactactgca	gaaacattac	agacagagca	atgtacctc			819

<210> 737

40 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 737

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	ttcttttctg	cttctaata	ccgtagagat	cctcccgatc	tgcaaatccg	atccgaattc	120
	tcaacgaatt	tgtagatctg	atctgtgatt	ccatcggtga	cgacggatct	tcgcttacat	180
	cgtttgatct	gtcgcagatc	tgcggttttc	tatagatcta	gatctggatc	gtccttcgcg	240
	gcttcttcac	atgcaagatt	ctgtgaattg	ttcaagttga	ggcatcattt	ctggattact	300
50	aggagacgaa	tctgttgacg	acggatgtgt	gtgtgttgga	ttgaattgag	attagggtgt	360
	agaagatggt	ttgtggatag	ctaatagctt	cctgattgca	tctctgtcat	ccgacctttg	420
	ccatgtcagg	tgcgcttgca	tggcagggtc	aaaaactgat	cctcaataaa	aaaaagattt	480
	tgtgggtttt	ggagaggagg	tgcacgggtt	tattattttt	tcccgggatc	tcttctctct	540
	tgtgtgtgtc	gtcttgcttc	tgtcttatct	ctctccctgc	tctttcacat	ttcatatctt	600
55	tcttaaatgc	tcatatacac	tcaaaaaccg	atcataagca	gagtttgtaa	ccaatatgga	660
	gcagtgggcg	attacaaatc	ttcttgccca	acaacctcga	gagttaaate	aggtactcat	720

5 atccatatta aatogaattc ttaattagca taataaggta aacataatct gcaagaggaa 780
 ttctggattt aaataaacca taatccggtt gccctaatt 819

<210> 738
 <211> 818
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 738
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 ttctgccgca gcttctcttc ttctcccttc atctcaaacc attttcatcc gatctcaatc 180
 ctcgaaatcgt cgggtctaact ctaaccatct cggagtaatc tacgagattg atatcgtctgc 240
 ggatcctctt gtcaataagt tggaagatgc tgtccaccgg attatggtac gccgatccgc 300
 acctgattgg ctcccttttg ttcccgggtgc ttcccttttg gttccacctc ctagatccca 360
 20 gtctcatggg atcgctaagc tcgttgagaa gctggccaat ccgatctctg atgaagaatc 420
 tatttcaatc tcatcggttc gaggatggcc ttgctctgat tacttcatca aagggtgtaa 480
 gcctcaatca gttgagacgg agatgacttc aaatactgca tatcactccg aggacgagga 540
 ataaacccca aaactcgtca gggctcttgc tcttcaagat ttgtagattt atgaacacga 600
 atcaacgaag attcgaatca ccaagagcag ctgcaaagac atgggtttaga cttttagata 660
 25 aggttagagta aagcaaacct ttacagact gatcagatcc tatccagtct tagtgaaatt 720
 aaataaggaa aagggtgctgt tgctttgccc tctgttttct tgtaatctcc cttataacag 780
 tttgttgaat cgtgtgtata tatatttccg cataagct 818

<210> 739
 30 <211> 818
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 739
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 gagatgtcga gatctcagtt cttgtacttg tttttcaacc attctaaata cttgtcgtc 180
 ccaccagtga tgggcaacgc aattacttct ggcacactaa aggtaacaag taaaccatat 240
 ttattaactt agcttgtgtg attgctaaaag aaaaggcaag acactcgcat tactcatggt 300
 45 tttatatgca gaatacgtca tagaacaatg cttactcgta ttctgtgatt gcattgacat 360
 gctcggtttag aggttctaga agggattgcc ttgttttgat tatcaggagc tcctctgaat 420
 cactctgaac cttccctcc cactcgtaca ccgattcaat gccaggcaca atgttcacac 480
 acgctgcaag cttttcctgg acaatgctgt tagccaactt cttccctgct tctctgttag 540
 gaacagtgc atagacaaca atgctgggca cagttttgct gctctcctcc attctgatcg 600
 50 acgaagaaaa agccttactg ctaaacttag accttaagag aggaacaaca gagaaagact 660
 gtgcacaacc cgatttgaag ggagatgaag aagaaaagaga agagattgag agagttgaca 720
 gaacgcaaaa cgctccgacg atcggaaaac tccgtcgaga tccgattacc gccgataatc 780
 tagtggtgag agacgaagcc atcactgtgt acggacgc 818

55 <210> 740
 <211> 818

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

10 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 740

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	tcccgacaga	ctggatacat	catccgtgga	acgcacctga	gtccgttctt	caagctgctg	180
	gtatcgagct	tggatcaaac	tatcctctac	caattgtagg	attagatgaa	gcaaaagcac	240
	ggcttcatga	agcgctttca	cagatgtggc	aactagaagc	tgcttcaaga	gctgcaatag	300
	agaacggatc	ngaagaagga	cttggagatt	ctgctgaggt	agaggaagct	cctatagagt	360
20	tcccaaggga	cattacaatg	gaagagnnng	aaccaaccag	actcaacca	aacaggagat	420
	atgaggatca	gatggttcca	agcattactt	cttctttgat	cagacctgaa	gaagacgaag	480
	agtcgtctct	taatttgaga	aattcagtag	gagatagcag	agcagagggt	ccaaggaaca	540
	tggttaacac	caaccaagct	cagcagcgga	gagcagaacc	ggcttcaaac	caagtcactg	600
	ctatgattcc	agaatttaat	atcagaattg	ttgcagagag	cactgaagac	tcaacagcgg	660
25	aatcttccag	cagcgggaag	agagaaagaa	gcggaggcat	agtccccgag	tggtctccag	720
	ggtactcaga	gcagttccct	agtgaagaaa	atggtattgg	aggaggaagt	acaacgtcta	780
	gctacttgca	gaatcaccat	gaaatactga	actggaga			818

<210> 741
 <211> 818
 <212> DNA
 <213> Arabidopsis thaliana

<400> 741

35	tttttttttt	gatttaatga	aattatattga	taattattaa	caacataacc	taaaacttaa	60
	ccaatgaaca	attagaataa	tctaaaaccc	tatacaatga	aatgttaaag	acaagtttat	120
	gttattcccc	ttttgtaca	agcttccaag	tottatgaac	ataaaaagca	aacgcaaatt	180
	tcgtgcgttt	ttgtttcctt	gatgtcaaac	gtagtttctt	gccaaacaaa	ccacataagt	240
	cagcaagcta	gctgagatcg	atatccactt	tttccggtac	acacctttct	ttttggttct	300
40	taccaagctc	tgttccaagc	tgaccctgat	cgctgcacc	aaacgcgaat	agcttccccg	360
	attccgtgag	cgcaaagtga	tgagcgttcc	agtatatgga	gttcgttaga	cttatctgga	420
	ccatccgctc	gttcacttgt	tttagcgatg	ttactaccgt	tggaacttagc	acgtttgcat	480
	gtcgattacc	ctgttcatca	aaggatggat	ggtgaccgag	actagcggat	tcgccgcagc	540
	caaacgagta	aacatcacca	tcgtctgaga	ccacaaaagt	agtgtagtct	cctgttgcca	600
45	catgaactgc	tttgacatgg	cttagacctt	caacaacctt	agggactgat	tcacactcct	660
	cgttaccgtg	acctaaacat	ccatatcttc	cccaacccca	agtgcacact	cttccatcct	720
	gacctaccac	cgcgcatgc	caagcaccgg	ctgcaactac	cctaggttga	agattcaata	780
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50 <210> 742
 <211> 817
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 742

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	aaacatgggaa	gttcttggag	tcaacagaga	tgagtctaac	agcagcaata	gcagcagcaa	180
	gagacatttaa	tccaaagaag	caaacattga	gccaatgcc	tagcttttgc	acaagactaa	240
	gctcatcatt	catagcaaca	agatacatgt	gattcgctaa	tatgaatgtg	agagggaacg	300
10	tgcttatcgc	tccggtaagg	ctcatgaaat	ctccgggaaa	cggtaaaagc	gcagagagaa	360
	gagtgtcac	cgcaatgtag	cttctctttg	ctactgttct	aaacaacaga	ttcttcattg	420
	ccaatggact	tcctttgact	ccatactttg	tgtccatata	ctcataagtc	ggacttgcaa	480
	aaatatgtaa	agagataaca	gattggagaa	aagctgaaat	gttagcgagt	gctttgaccc	540
	aaacaggccc	actgacgctg	tttaagagat	aagtcgatgt	cgaggaccgc	taagcccaat	600
15	atccgatgaa	tgtaaccgcg	tacataggta	aaacaccaac	agtgaattga	aaatacagag	660
	ctttcatcat	gttttttaacg	accggttgct	tcaccgtggc	ctgtatttcc	gggagcattc	720
	ccgtgttgaa	tgcgaaaact	agatttgcag	ctgctcctgt	tatggtaaag	agtttgttta	780
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20 <210> 743
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 <212> DNA
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25 <220>
 <221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

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	attgagctct	atcctcgaat	tctcctatta	gcttggcaac	tttatctatc	tccggcacca	180
	cattcttcac	tgtttcatct	gacaaannnc	ggttggccca	tctataaaga	gaaggagttt	240
35	tnnattegtc	tanaatnnnn	ncttttttaa	gcttctctct	agctttcaag	aaaacaaaaa	300
	agcttccaag	gcaaatgtct	atgaaccgga	ttgtttcacc	gccgaaaaaa	gatttttcctt	360
	tgcttagagc	aataaacgca	gcttcgagtt	gcaacaaccc	ttcttccact	tcttccatgc	420
	cttttgcttt	tgcgtcttcc	gatttagcga	ccacagctgc	catcaaagcc	ggaaaccact	480
	tgtcatcaac	gaaggcagac	cagaagcgag	caagggcacg	atcatgagga	tgagaaggaa	540
40	gaatgaacga	tccagatgag	ttccacgtct	cgtctatgta	ttcaacgatg	tttagagact	600
	cacaaaccga	tttattactg	tggatgagaa	ccggcacttt	cttgtaaacc	gggttcgatt	660
	tgagaagaag	ctcactctta	gatccgaaca	agttctcttc	aacgtaatca	taatcaaccg	720
	atgtgagacg	aagagcgatc	tttactctta	tcacgaccgc	actgtaccat	gttcccaaca	780
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45 <210> 744
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 <212> DNA
 <213> Arabidopsis thaliana

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	atcacattat	attgaagaag	agttggcatc	ttgtctccat	ccaaacgcaa	cgtgtcagta	180
55	gtgaaatata	aatcagacat	gtggggatga	gtaacctaaa	ggattccgat	tcagcctccg	240
	ccgtacgagc	tcgattctgg	tgaaagagtc	accgtcgata	caaaaatcga	aacatgaatc	300

5 tttgagtttt caccagaaat aggacaatcg aaactccaaa ctgaaatata gcagctaaag 360
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 ataataattc ctgtaaaacc aagcttcaaa caacatgagt cggataatca acagtttaag 480
 caacatagca cctaaatcgt tatcaccaac acataattgc tgaaattatt gaaaggaaaa 540
 caaagaccaa aagggtgagag taactcatct atggccaaag taaaactaaa atccgaccaa 600
 10 caccgctgat ggagccgtat gctgtcggga aaagagtcgg ccactctcac tgaagaagct 660
 ggaggtgccg aacgagagcc cgattaaaac gggacgtaag agccgaacat cgctgctgtg 720
 aaagtcagac gatttcggag tagagccgac caatcaacgc taaaaaagcc attgatgtcg 780
 gaacagatct gtgaaatcac ttttcttctc gcggccg 817

15 <210> 745
 <211> 817
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 745
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 atcttcctta cgattatggc gcattggaac cggccattag tggagagatc atgcagattc 120
 atcaccagaa gcataccag gcttatgtta ctaattacaa taatgctctt gagcagcttg 180
 atcaagctgt gaacaaggga gatgcttcca ctggtgttaa gttgcagagc gccatcaaatt 240
 25 tcaacggcgg aggtcatgtc aaccattoga ttttctggaa gaaccttgct ccttccagtg 300
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 ggggtgtggc cggactagac aaagaactga agaagctagt tgttgacaca actgccaatc 480
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 30 agcacgcta ctacttgag tacaaaaatg tgaggcctga gtatctgaag aatgtatgga 600
 aagtgatcaa ctggaaatat gcaagcgagg tttatgagaa ggaaaacaac tgaatcgttt 660
 acacgatgac ataaggagat gaaccagttc cagctcagct tttgttttaa ggttgtctga 720
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35 <210> 746
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40 <220>
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 <223> n = A,T,C or G

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 aatcacccac taggacaaaa aagaaaatac atgacaaaac cttattaagg accgaatttt 180
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 cactaaccca agtctcaacg ttacttagtc tccacaagaa ctctgtctga tcacgaccag 420
 atcgaccaac ttgcttcaac tccctcatcg actgagccaa catctctaaa ccgtctccaa 480
 55 gattttcaac acaatccttc acggctaagt actctctcct tttgattctc ctactcttag 540
 tcagcttccc tacatagatt gtcgtggact gaaccgggac tagagtaacg gctaaagcgg 600

5	tttgagctaa ctgggttttcg ttgcnnnnga ttttgtctgc aaaagcggca aggcatttga	660
	cgcagagagt ttggtaacgc gtgannnggc atgatgagac aatgaagttg atgctgctgc	720
	tagggtttgg tgatgatgaa ggtttggcta tgggtggattg gcagagtagt ggaagaaaaa	780
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15 <220>
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	atgctaaaag ttatctgcag ccaaagagat cggttccgag cagcattacg ggaaacagaa	180
	gaggaaataa ggcgattaaa agagaagata gggttttctca cagacgaatt ggagaagacc	240
25	aaagcagaca acgtcaaaact ctatgggaaa atccgttatg tccaagacta taaccatgat	300
	aaagtgtttt cccgaggatc gaaaaagtat gtggaagatc ttgaaagtgg attcagctcg	360
	gatgtcgaat caaaatacaa gaaaattttac gaagatgaca tcaacccttt tgcagcattc	420
	tcgaaaaagg aaagagagca acggatcaaa gatttgggaa tcagagatcg gattacgcta	480
	agcagtgggc gggttccttct aggaaacaaa tacgcaagga catttgcttt cttctacaca	540
30	ataggattgc acgtccttgt cttcacttgt ctctaccgta tgtctgctta cagttatctc	600
	agccatggag cagaggagac tctaattgaca gaagcaacca caaaccttnn nnnccgtctt	660
	taagctctca ccctagggac ttattcgttt ttggtcggtta tgttctttct tgtccttgta	720
	gtgttcctg ggcaattcta aaacggttga atatttgtac agaggggatcc aaatcactcg	780
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40 <220>
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	ctcaatcgaa gctaaaggga ttatatagac aattattgtg tgtgtttgaa tataggacgc	180
50	agatataatg tggcttagag atccatttcc tcggttatat ccagatggag acttccaaat	240
	ggcgtgtgac agattctttg gaaatcctta tgattcagac aattgggtca atgggtggtt	300
	cacatacgtg agatcaaaca atcgaagcat tgagttttac aaattttggc acaaactctg	360
	tctagattat ccagacttgc atgatcaaga tgtgttcaac agaataagc atgagccttt	420
	tatctcagag attggaatcc aaatgagatt ctttgataca gtttactttg gtgggttttg	480
55	tcaaacgagc agagacataa acttgggttg cacaatgcan nntaattgtt gtattgggtt	540
	ggacaagaag cttcatgatc tgaatcttgc ctttgatgat tggagaaagn nnctgtcttt	600

5	gtcagnnnca	gtgcagaaca	cgacgtggag	tgnnnctatg	aagtgttttg	aagattgaga	660
	ttcnccttctt	tctttgtttt	gttgagattt	ggatgaaaag	tatatTTaaa	aatgaagagt	720
	ttattgttcg	tgcaaggaat	attcctttagc	tctctaattct	aatcaaatat	tttttttgat	780
	ggTtaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaa			816

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 <212> DNA
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	taacaaaaaa	aaaagaacaa	aagattaaac	taaaattaag	attagagaag	acatcatcat	180
	ttgcaagtc	aagtcccaaa	ccttctagct	caaagagagt	ctcttcacgt	tccacattcc	240
20	atcttagtta	ctccccact	gtttgtgacc	aggaacccat	ttaggacact	tggggctgaa	300
	gtaactatca	acaacccttg	agttcaatag	ctcgataatt	ggagcaaact	tcacgcatct	360
	cggcgtctta	tactgattaa	tcgatgctcc	caagctgatt	gcgtaatcca	tgagcttatc	420
	gaatgtccct	ggctcaacaa	tcttgatctc	aagcgggcct	atggacttgt	cactaacctc	480
	tccttgtcta	taaacagtg	tgaatgactc	ttctacagct	aagcagcagt	cctcgaagac	540
25	cgaaggagg	atcgggtgtg	ttccatccaa	acatagctcc	caaacagga	cataatggcc	600
	tgggatggaa	cttgtgtctg	catagctcgt	gtactcagag	agtgaggcat	caaatgggac	660
	aagggtgtgc	actgcgttct	tcaccgcgtt	ctgaagctca	acctcgtcgg	tcttgtcggg	720
	atctatgctc	aagaccacat	ttttgcgaca	tatgaaactg	aattgaggcg	ctttgttctt	780
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 <212> DNA
 <213> Arabidopsis thaliana

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	tgacttgcaa	ggacactcaa	caatagccac	gcgaaagaaa	aataatccaa	aagaaaaaaa	180
40	aagagttgaa	gagagaatat	gagacaagaa	gagctaatac	acatccactt	caataattca	240
	ttcaccattg	tcaaacggtt	acagctttct	acaacttcag	ctcgatcacg	acttacacat	300
	catgcttcac	tgctgttgct	gctggtatcc	accaggctgc	tggtagtttc	catagccgcc	360
	cccagcataa	ccaccgtagt	aggcgttagg	gtcctgagga	ggaggtgcat	atccgtatgc	420
	ttcatatcct	tgaggaggat	acccatagta	tcctccacca	ccaccatact	gggcttgatc	480
45	aggttgagtc	tgtttgttgg	aaggactgcg	accccatgaa	agacgaatgc	tttgtcccc	540
	aagttgtgtt	ccgttcaaca	cagaaagtgc	ttgctcagca	catgccttat	tggcgtattg	600
	aacaaatccg	caacgttttc	ctgcgggtat	tttcacatga	actagtccac	caaatgacc	660
	aaaaactgac	ttcaaactcat	cttctgttac	actttgatcc	acagctccaa	caaaaattgt	720
	tgtgttagtt	ggatcacttt	ctcctgaatt	tccttgagtg	ttctgatatg	aagctgggtg	780
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   cattgattaa taaaagttaa agtagctctt ataacaccat ctcatattggg gcaggtaggt      180
   tcgaatgcga atggaccaac gttgtacaca ctgtacttga accatctcat gatggtcgag      240
15  gaaaatcctg gtttcaagac cggctttaga acggagccct tgcctccatc gtggagtgc      300
   gacactttgc tgcacttggg gtctggagac ttcacgagga aagctcgaca acctttgata      360
   tcgtagttgg tcaccgtctt aggggccagg agcatgaagt atccgttctt gtccgtcttt      420
   gtctccgata ttgagttctt cttgttcttg cacacaagtc tcaccaccgc atctttaacg      480
   ggttttagcgc cttggacgtt gttgacgccc gcgtacttgc aagctttgca gtagaccaca      540
20  cctctaactg ccactagggt cttgttgtac ttaggagggg aaactgggtg gagaacagga      600
   ggtttgatcg gtgggagagt tggtaactta atcggagctt tggctgggtg gagagttggg      660
   agcttgatcg gagctttggc tggtaggttag gctggtagtt tgatgggagc tttggccggg      720
   ggaagagttg gtagtttgat tggnggtagg ggaaggtgtt ggnnnaggct atggaaggga      780
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   tgtctcctta ggattgtggc ttgatcaggc aatgagacta tgtgcttcaa aattgagact      180
40  tgtttgggtg aagaagcgga tgaaaaagt tctgtgtaca gcgagaggaa ttagtggttt      240
   ctgcttacga atgatatgag aggttcttgg tacaagagtg tttcctctgt ttttgggtctc      300
   agaccacgga tcagagggtt gttattcttc attgttgggtg ttgtggctct agttactatt      360
   ttagcaccat tgacatctaa ttcgtatgat tcttcgtcaa gttcgacact tgtgccgaac      420
   atttatagta actataggag gataaaggag caagctgctg ttgattatct tgatctgagg      480
45  tctctttctt taggggctag tttaaaagag tttccttttt gtggtaaaga aagagaaagt      540
   tatgtgcctt gttataacat aactggnnnn nnnnnnnntg ggcttcaaga gggtagaggag      600
   ttagatcgac attgcgagtt tgaaagagag aaggaaagat gtgtagttcg tcctccgaga      660
   gattataaaa taccacttag gtggccactt ggtagagata tcatatggag tgggaanntg      720
   aagattacca aagaccagtt tctttcttca ggaactgtga caacgagggt aatgttgctt      780
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attaacaaa tctcaagatg gatcctccgg agaattaaga ttcgtcgttc aagatacacc 180
cggttaagcc caaacccgcc gggtttgcaag ccgagagcca tcacaaaact cataagttgg 240
10 ggtcgaagtc tcacatccca cagegccagg tttattgggt ctaaagtctc caattcaggg 300
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ttttcacttt tgttactatt tttacccttt tgtagatat gtacatatcc tgtatgtgaa 720
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<212> DNA
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30 cgcagaaaat ttgagaaaag ctttctctga ggcagaagct agaaattccg agctggcgac 240
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35 acgggaacca gagtctgagg agaaaccaca gaaacatctg aatgaaaagc aacaggaaaa 540
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40 actcaaagca actggagcag ctagtttaac accgc 815

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50 aagacatata tagagtcgac atgggtttttg ctctttttta agtactaagt gattggtaac 180
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55 ctccatagct cacttttact ggatcagctg gataacaaga cgacattcca acaatgtaac 480
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5 caccgttctc tcggtataga gcaccaccga taccaccagc gtgctgggtga gctaccccgt 600
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25 attagagagt ctctatagc aaaccattcg tcgctaatac ccaactgtct gttaaaacct 540
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<212> DNA
35 <213> Arabidopsis thaliana

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40 aaaacgaact ccctcaaaga acacaaagct cacacaaacc cccaagtca acatctcctt 180
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55 <212> DNA
<213> Arabidopsis thaliana

5

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	cagaacacaa catgtcaata aacctgtaaa cactctctct aacttggcaa tagtctcaca	180
10	aaagtaacgta caacataaca tgctcacgga tagccatcga gcacgccttt gagtaggttt	240
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	gatggaagtg aaatcagcct aaatgtttct taatcattgt ccatattgcy tttgcgggta	240
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40	aagatcaccg tgccaatcca ttacagaaag tccaagagta gtcaaaaacc gaccaagcgg	480
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	agtcatagct ccaccagaca ttacgattct gaaccattta ctagcaataa acttatcttc	600
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	cttgtttctc ctgaaattgt taaatctcgt ttcgcttcga agagtataag ccaattcctt	720
45	tccaacagtt tgcatgtcga aacctagggg agttgattta ccctctccat gtttaaccga	780
	gctggccatt tctagctgta cctcggccgc gacc	814

<210> 760

<211> 814

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(814)

<223> n = A,T,C or G

5

<400> 760

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	tctccctgtc	atccaaacca	caaccaaacc	gagtcctaat	tcccaaattc	gccaaacttc	180
10	cccaaattcc	caaatccctc	acttctctca	ccgatctccg	tagcaaagca	ctatcactct	240
	cctccgccac	cgccaaatcc	ttagctttta	tcgccgcttt	cgctcctccg	tcgatggcgg	300
	aggcgatgga	gaaagcacag	ctcttcgatt	tcaatctcac	gcttcgcgac	atcgttgttg	360
	agtttctctt	cttgatgttc	gctctcgaca	aggtctatta	ctctccgctt	ggtaacttca	420
	tggatcaaag	agacgcttcc	atcaaagaga	agctcgcgag	tgtaaggac	acttcgactg	480
15	aagtaaagga	gctcgatgag	caagccgccg	ccgtgatgag	agcagctagg	gctgagatcg	540
	ccgccgcgct	taacaagatg	aagaaggaga	ctcagggtga	agtcgaggag	aagctagcgg	600
	agggaaggaa	gaagggtggg	gaagagctaa	aagaagcttt	ggcgagcttg	gagagtcaga	660
	aagaagaaac	cattaaagct	ttggattctc	agattgctgc	tcttagtgaa	gacattgtca	720
	agaaggttct	tccttctnnn	attatatatt	tgttaactgt	gtaattctct	gtctctctat	780
20	ctcaaaactt	atttacaaga	aattactgta	aatc			814

<210> 761

<211> 814

<212> DNA

25 <213> *Arabidopsis thaliana*

<400> 761

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30	tgatggaatg	ggacaggata	aaattctaag	actcagaagt	cgaagtcgca	cttgatcggg	180
	aaaacaatgg	aggtagtgtg	agttccgttt	gaggtactta	aaggaagcct	tagatcatcg	240
	caatcaacct	taggcttaat	cctcctaaac	ttcaagtccc	caagcttaaa	cctaacccta	300
	agcctgaact	tgatctctat	attgtatata	ccggatatcc	tctccgcggt	taaagtccta	360
	gactgtccgg	cgtaaataat	aacaagggtt	tggccttgga	acgttgggtg	gagaacgggt	420
35	gtgtttttgt	gtccttgata	gaaaggagtt	aacgtgatgg	tactaaaccg	ctttccctcg	480
	tagtaggcat	gagcttcgat	cctatcgtag	tagagtcoga	tcctcttggt	tgggttacgg	540
	acaggaacag	tgagggctag	gttatacctt	aaaatgttgt	ccggggaagt	gtggtcaaag	600
	cgggtaaggg	acgcacgggt	cacgtgaaac	ttgatggcac	gaggtcggac	gatgagccag	660
	aagatgagag	cggctacgcc	gaggatgaca	ataagggata	tgattacttt	gacgaataag	720
40	ctgaggaggc	agcagccaca	gccacgaccg	tgcccacgtc	ggtagtagcc	tttgggagct	780
	ggtggtggga	ctgatggacc	gtagaaggcg	ccat			814

<210> 762

<211> 814

45 <212> DNA

<213> *Arabidopsis thaliana*

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 762

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	tggtggaaga	aggagcatct	ggctgctttt	ccggtagtgc	attttgaaac	acaggcagtt	180

5	ccttgatga	ttcgtaacat	tttgcaagat	ttgggtatgg	ttccatgtta	atctggaatc	240
	tggtgattgc	tcogtggatc	tggtggtgcta	gaaagagatc	agccaggtaa	atttcacac	300
	cagtcgcaag	tttcccagcg	caattcacca	acagtttctc	gagagctgta	aatccttttg	360
	tgatagcatt	attaacccaa	gcagtccttct	cctccacatt	tatcttttcc	tcgatatacc	420
	taataacagc	cagattttga	tgaggtgta	tgccagacaa	gacaatactc	attgcttggg	480
10	aattcacagc	tcgtttatgg	aggtcacgag	gtaacaaagg	tggtcaggg	tacttctcat	540
	ccagatactg	tcaatccaaa	caccacaaaa	ccgaagatcg	atgaaatgtt	ctttttaatc	600
	aacaatacca	aaaaaaagtt	aaatggatgt	gttactactg	accattatta	tcgcaaaaga	660
	atcattaatc	acaacatctc	catccaccag	agctggtaca	gttcccattg	gattgatctt	720
	cttgaaatct	gaatcgaaat	gatcaccctt	gagcaaatte	actggtatat	actcataatc	780
15	aagccctttc	aaagcgaggg	cgatacggac	acga			814

<210> 763

<211> 813

<212> DNA

20 <213> Arabidopsis thaliana

<400> 763

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	tgaacagaga	gattcaaaga	ataaaaagg	ttctacttct	tcttaagttc	aagtagtctt	120
25	gaccatctct	tatcgacaga	agctgtat	gtctgaccaa	cgtagtgtag	tggtggttcc	180
	gatttttctc	aggaatccga	gcataatctt	ttagcataag	ttgtgagggc	gatagtgctt	240
	tgcaacaagg	aatcaagggt	agcttcatat	ccaggtctga	catatatcac	cgaaggatca	300
	tcgccgccaa	tttctggcag	tggtgaagct	cgattttccc	ggcttgatgg	caaaatccag	360
	acgggtgaaac	ttgtatcgat	cagtcgagga	ttaaagagaag	agcaaatgct	gcactttctt	420
30	gcgatagaag	tcattgattct	tccatctact	gagagggcca	tgctcgcgtg	cctttggaca	480
	gagaggtcga	cagagacacg	ggaattggga	gggccatctt	caacaaggtc	ttggagttga	540
	agatcacgca	gagagacatc	gtactgagtc	ttccaatttc	cattccattt	gccttacta	600
	ggagataaag	tgatcagacg	cttactgtgt	tttgagctcc	ctcctccatt	aatggctgcg	660
	gaagaagctt	ggtgtttctt	ggagagggaa	gaaaagggaa	ggtgatgagt	attgccggaa	720
35	actttaatct	tcgagttcaa	aagatttgga	gagatcaaac	aacgtacatc	catggatgat	780
	gattcttttag	aaaggactgt	gaggaagaac	ctg			813

<210> 764

<211> 813

40 <212> DNA

<213> Arabidopsis thaliana

<400> 764

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45	aacccaagtt	ccgatttcat	catcttcttc	tccgcaagag	aactcgaaga	tccccaaatc	120
	caaatcctgg	tctgtttatc	tcattctctc	cacgaccgaa	cccatcaaaa	catatgtcgg	180
	aatcaccacc	gatttttctc	gccgattaaa	gcagcacaat	ggagaaatca	gaggtggtgc	240
	aaaagcttca	agtgcaggaa	gaccatgggt	ttgtgcttgc	attatcactg	gattcacttg	300
	tttaagtcaa	gcttcttcgt	ttgaatcaaa	atggaagatc	ttttcaagaa	agttaccgcg	360
50	gagaaagaaa	gacgaggaga	tgagtacagag	tgatgctgtg	cttcaacacc	gaaggagggc	420
	attggataaa	gtcgaggaa	cattagaatg	tagtcatctt	gaaactgact	ggaaaatcta	480
	accaggtaac	caaacgacta	acttaattaa	tcaccgatgt	gctctgcagc	ctcacaagat	540
	tacgtatcta	agacttttat	gctgggactt	gacgacaata	gcgaaaagaa	tatagcgagt	600
	atgtgggttt	aacttgtcat	atggcaatag	tttgaaaact	acattgcaca	acctcatggg	660
55	cattgatatt	ttgtagctgt	tgtaactttt	aagaatgata	gacaaaagtc	aaaacaaatg	720

5 tgtttataat tttcttattc attttgtgtc ttcagtttaa aaagaaaaac aactatagac 780
aatcattttt aagatatatt gagaaaaaa aaa 813

<210> 765
<211> 813
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1)...(813)
<223> n = A,T,C or G

<400> 765
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cagagtcaac atctctaaag acaacaaata agtaatcaaa caaatacaaa tatatctctt 180
ccataactcg aaactcatta atgaagaaaa cagcagatca taagattaaa cagagagatt 240
agagatgggt ttttaatatca tctctatctt catcaaccat atacttctga aacaaagcag 300
agcagaacac atcactcact tctttctcaa atcccatggt gttagcatgt ctgatctgct 360
25 aggcaatgcc actgtaatgg ttcaagatca cagcagactt ctcacgtcca acggagattt 420
tagagcaggt tttatccgag cttttcacia gcaaaacatc gcacatctgg tctctgtgat 480
cgtcgtggac aatgaactta tactttcctt ctttgtctga tacagctttg tctgtgtaaa 540
cctcttccat tgtcttctcg tctttgcatg atagcttcac cgttgcaccg gggatgaagt 600
aggaggattc aggagtcnnn aagccgaatt tgcaaatgtn nnagtaggtg ctaccttgaa 660
30 cnnncattgt attctttcca atatttcccc tctttgcccg catggctatc gccggtaaga 720
tacagagaac caacaacatc nncagtttcg ccattttttc gaatctagag agagagagaa 780
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<210> 766
35 <211> 813
<212> DNA
<213> Arabidopsis thaliana

<400> 766
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gattaattaa tacaatacaa aatgaccaa acgaaccaa aagcacagca aataactaag 180
acaacccagt acaggacgat aaagacctct aatggcggct cttgatctct ctctctcttt 240
ctctctatat aattccttgt ctacttacct ctagttaagt gcagtcttct tcttccgcat 300
45 tctacaacct caagctttgc aggtttgtag tagactttgt tagggtctta caaaagtact 360
ctcttatctc tggatattgt ctctgcacca gctcgttctg ccaaggcatt gaactcagtt 420
tatcgaaatg ctccaggatg aacatgatac aagcttgccg cagcgacatc gcatggaatg 480
cttctgatag ctcgatcatg tctcctatac tttccaacgt aatatcctga gcaattgtgt 540
attcacagag tctgttccag cctcccaaga gatactgatc cgctgctctt agaagatctt 600
50 ttgatatctc atttggtatg tgcacagatc cagtgtatat aaacctcatc attaatctaa 660
acacctccca tttgatattt ggaatctcaa tatctctagc gtctttttct ctgtaaccac 720
catcaaacat tgcacgaaat gcactctagg atgccagcag acaaattctg tgtgcataga 780
atgtccttcc ttcgactaga aaggttacat cag 813

55 <210> 767
<211> 813

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 767

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	aacaatgcca	acggttcaga	ttcagacgag	ggtggtgatg	atgatgggat	cgatgctgca	180
	tttggcagga	atcttgtgaa	tgttttcctt	ctgttacatg	cctttggggc	atcaggtaat	240
	cagatcagac	gctctgattc	agattcgaat	gactcgacaa	caatcaaccg	aggaacaagt	300
	gagctgaatt	tctctgaaga	agaagaggaa	gaggaggagg	aggagaggca	tagtaacagt	360
15	aactcctttg	caagtcgaat	gaggcgacaa	ggacgcgttc	tgctgggacg	ttcaggtagg	420
	agacgtagag	atagagaagc	taaccagaac	acaggtcctc	ctcctagatg	agagagaatc	480
	acacgaattc	aaaagaaaac	cctgtctgat	tttgggtttc	aggtaagctt	tatggtatgg	540
	ttagatacaa	atgtagtttc	gacaagttta	aaacaaaaca	aaaaaaggct	tttggccttt	600
	ctgctatcac	cattggagaa	tttgggaatt	tgactcgaaa	ttctttcata	tgctagagaa	660
20	gcaggcttgc	aatctcatgt	tttatttact	gtattctgat	gtaactttct	gggtggaaaa	720
	ttcacaaata	tctatccttg	tgaataagca	tgatcagtga	tgatgaccaa	tgaagtcttt	780
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25 <210> 768
 <211> 813
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 768

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	tttatagcat	tcaacttata	tgcaagaaca	gattttctagc	aggggagttg	atccttgttag	180
	atgttcaaac	ccgangtgga	tgcaagtaatt	gggcatagnn	tgagagaaaa	cgaataactgt	240
	gcaggcggaa	tcagaaactt	atcgtgaaca	catggagtcc	agctatcatc	tcccccaaga	300
40	cccatgtgtt	tgtggtccag	atgcacctcg	atgttttnnn	nnttgataag	atcctcttca	360
	tgcgttgcac	ggtgaagctc	accggttgta	taataactag	cattcatttg	cattagagaa	420
	gagctaccat	atgttggaagc	atatattcct	acaccatcct	tgtttcggaa	tgttaccac	480
	ctaacatctg	ttctacctcc	attttctcct	ggaacaatat	aagggaacatg	catgtctcca	540
	acattgtgtt	catatatcgc	cacatgggct	gctgcttttc	ggtctgggta	acactcaa	600
45	ggacctttgc	cataccattc	tacacggtcc	agtgtttttt	caatgtggaa	ttctatacct	660
	acacgtggta	gcggtggaag	atcagagttt	ggttctacaa	accaattggg	gatgatattct	720
	ccggaaccat	agatcagata	tgacacattg	actttgaata	aggcatctga	ctttgaagag	780
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50 <210> 769
 <211> 812
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 769

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agcaaaccgt tcacaaacgc ttatttttgcg ggtaacaaga tgaacaaaag aatattcaga 120
ctaattgggtt gggttacaaga tgccttgaag aaggggtttc ccttgaaact tgtcgacctt 180
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cttcgcagcc atctccgtca ttttagctct ccactccttt atcttcttct ccttctctcc 300
10 cagttctttc acctgtttct cagtttcttg tttcgcaagt aacacatctc tctccacac 360
ctctttctcc actacgtca tcttgtgttc atcgtagtgt tttaccgect ctacgatctc 420
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cgctaccatt tccaccacgc ggctctcctt gagatacttc aggggagttg tttggagttc 540
gaataccacc gaggcaagca tgtcgaggta gtaggatcgt gtagcaagcg attgtagttt 600
15 ggaaccagac gcaatgtcac cgtgcttctg gagtatgtgt tgtagagtgg tcgagacgct 660
agctctgacc ttgtactgtc ccacagaaac gtaagactca gatagaatag actgcatcac 720
gtcccttatt tcattattgg taattattcc tttcatacga gagatctcag cgagactgaa 780
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20 <210> 770
<211> 812
<212> DNA
<213> Arabidopsis thaliana

25 <400> 770
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tgaatcacac aaaaacaaaa gaagaagaaa gaaacagaga tgaattgtta caaagatata 180
aattcaataa aggcttagaa acatccacac gttgcctttg gtactacacc agtggctcta 240
30 tacttagcac ccatttcttc agctttgaga agctcttctc ctttttttagc ttcaaccatt 300
gctctcttct cttctgctaa cttgtggatt gcagctactt tgttcttcat tttctaccg 360
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gcctttgact tctcactctc ttcccatgct ttgatgaatg acgttttctt ctctttttcc 540
35 aagtcggcaa gtatcacatc tctatcgcc gaaccagatg aagctttctt aggtgtatgc 600
tcctcgatgg gtttttctac aacggcaaga gctttggact cgacgggagg tggattatga 660
atcttctcat ccgcgacttc caccggagca ggagtcggtt ccttcgccgg agctaaaaca 720
gccggagatt ctacgtcaac cttactcgtc ttttgcctct ccgccattgt ctctcagccg 780
aagaagaaga acagatttta tcggacgcgt gg 812

40 <210> 771
<211> 812
<212> DNA
<213> Arabidopsis thaliana

45 <400> 771
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atcgtggatt gttcgatttc ttgggaaaga agaaagacga aacaaaacca gaggagactc 180
50 cgatcgcttc agagtttgag cagaagggtc atatttcaga gccggagcca gaggttaaac 240
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aagttgaggt aaaggaggaa gagaagaaag ggtttatgga gaagttgaaa gagaagcttc 420
ctggacacaa gaaacctgaa gacggttcag cgtcgctgc ggcaccggtg gttgttctc 480
55 ctctgtgga agaagcgcac ccagtggaga agaaaggat tcttgagaag attaaggaga 540
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5 aagattatca ttaaagatat taagaataat gatggttgat ttgctttggt tttttttttt 660
 ttattgtgat gattgatcat cttttgcttt tgtgatgtgt aagtttggtt gcttttttgt 720
 tgattacaat ttcttatttt ctcttgata tggtttttaa aaacaaaaga tctcaaggta 780
 ttttaatggt atgaatattt tcatttgatt aa 812

10 <210> 772
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1)...(811)
 <223> n = A,T,C or G

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 tctagtattt atcatgtcct ctaagacaaa cggaatacac aagtatgcat acatcaagac 180
 atatattgca tacataaatt aacacataag tttgagcata tctcttacta acttgatca 240
 25 cagtggaggt ctctccaacg agacataccc gaatttgcct ttgcgaaaat ccgttagtat 300
 tctaaatgca gcttgatgac tatctccacc aaacaaatta agaccaagcg tcttcacaaa 360
 tttttcccg cagttgcctt ctagctggat cttgtatcgg ttgtaaagag cctttgcgcc 420
 tacttctgga atccgtgcta acatnnncac aaggattcca gcaacatcag tgaagtcata 480
 agctttctct ccaatgtcat cacaaattgc cagctttata gcagctgctt gatcatcgat 540
 30 acgcatagga agcattccag gtgaatctaa gagatcaaga tctttcccaa gcttgaccca 600
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35 <210> 773
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40 <220>
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 <222> (1)...(811)
 <223> n = A,T,C or G

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 ggtaaacact aaggtgctcc ttctcctgca ggtccgggtc gagcattcaa caatgggtgc 180
 50 agagccttca cgacaatact catgtttggt ctgaaatcag cttcgtattg tacacacaat 240
 gcagcaacag cagctaactt agcaacagct tttggagggt aatctcctcc cagtcttgaa 300
 tcaacacact gcttaacctt gtcttcgctt agctttgggt tagcccatgt gactagactt 360
 tgctggcctc gaggcaatgt atgatcaaca ggctttcgac ctgtaagaag ctcgagcagt 420
 acaactccga aactgtatc gtcaactctt gcaactcaat gccagtcatt tgcattatca 480
 55 ggggcatggt aaccaaagggt tccaagaaca cgagttgaat gaaggcgtgc tgccatatca 540
 ggagcttgat ttgagagatc aaagtcagct atcnnnnnna catcgttatc aaagattaga 600

5 acattgctgg attttatgtc acggtggatg acatgtggat ttgccttttc atgtaaatac 660
tcaagccctc ttgctgctcc aacagcaatc ttcactcggt gatgccacga caagagtggg 720
ccaggctttg ctcccttcac acctttttct ccgtaagaa tatcatgaag agatccattt 780
tgggcaaact caaagacaag cggacgcgtg g 811

10 <210> 774
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<212> DNA
<213> Arabidopsis thaliana

15 <220>
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<222> (1)...(811)
<223> n = A,T,C or G

20 <400> 774
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cttagatacg aatgatcagt aaataactcc tatcatccaa ccaaactgta tcttttggtt 180
ggagtaatta gagatcttac ttgatttaat ttagaagaat gataatttag agaggcacag 240
25 ggtaacggtt gatgcaatcc acccaaggat tggtcctggt tggcttcttc accttcctca 300
ttgccttcca caccacactg ttacacttan nnccagaacc gaaagcgatc tgccaaaccc 360
tatcgctctc acgaacactt tccttggcct ccatgtaagc nnactcatac cagattccac 420
tgctagaagt gtttccaaac ctgtgaagtg tcactcctaga agcctccata ttctcttcac 480
tcaagcctag attcttttgn nnctcttcaa gcactacttt gcttgccgcg tggaagcaaa 540
30 aatgctcgaa ggcgagcttg tagtccggga tgtatggctt ggacagatcg gaagaggaag 600
acttgattcc attggttttt gcggtggcgg aagtagagaa ggaagtgggt gtggacgttt 660
tggcagcagg tgagaatgct cggcgagca aagcagcaaa gaagagaagc tgctcggaga 720
aaggtaggac aagaggacct aaggtagtga tgtttgtctt gagagcttca cctccaactt 780
ccattaagtc tctacttatc cggacgcgtg g 811

35 <210> 775
<211> 811
<212> DNA
<213> Arabidopsis thaliana

40 <400> 775
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ttttcaatct aaagggttttc acagtttgat gtgatctcaa ataacaaaaa aaggtaatac 180
45 gaactcataa actgttggtc aaaaagggaa caagagaaac attgtcaatc taattcagtt 240
tagatgaaga ggctgcaaaa cccgaactca atcttgtgtg ccgtttcacc atcctcatct 300
ggagcagaag ttccctcaga atatgtgcac caagtcatac gcaaatgtcc agaacagcac 360
aaacgacata aggccacca gaaaaccgtc aaaaagaacc cgattccacg aatcaaagta 420
caagtcagct gagaatcctg ccttagccat gagcccaaca gatgtgatca acatcaccac 480
50 aaagtaaaat acaaaaccaa tcaagccatt gaatccaatt attcctgcta agacaccagc 540
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tgcaactgaa gttgggtatg cactcatgat atcctttgat ctcttctcag atgaacccat 660
ttaagataac aacaataatt agaaacgaga gtagtaagag gaagatcgaa gtagcttgct 720
ttggtacttg ggatgaattg aatggagagg atgagccaat ttgagagaga acaatcagac 780
55 gaatatcttt aagttcttta cggacgcgtg g 811

5 <210> 776
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 776
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 actatatggt ctggataagc ttttattgaa caagaaggta gcaacaacta ctaaaagagg 180
 ggtaggcttt tagggaaacg aacctgcac cattgcttct catacgtaac caaatggctc 240
 15 caacctattt cctccagcaa atccagttta agttcgtaga gtttcttatt cgcagtctcg 300
 ttctcgtttt ggatcaagtc atcaagtacc ttcaatgcgg tcccgagtcg tgatagccgt 360
 ttctctctta gaacagtgag agtaccgtat ttagatgatt tcacgtctac ccattttgtc 420
 agttctttga aattctcttc gaatttatcc ttctggttac tttcttcttc tcttcacct 480
 tcttctcac ccttcagatt ctgattctc gccatggcta accctttctg gtatagtgc 540
 20 tccgccagtt gatcacgtgt caacctcatt tttttcttca atttctctgc ttcacatct 600
 tctggttcag ttttgtctag caagaatctt gctagctcat ctacgtcaac actgcgtact 660
 acttcgtttg cagcttctat aatctcttcg tgatggctga ttttgtcccc agcatcagac 720
 cgagacagta aaccttcag gatcttagct agtaatggag tatagtctgg gtattcagac 780
 ttgagacagg tacacaactt tctccactct g 811

25 <210> 777
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 777
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 gaattgaagc tggttggtga gtatggctctg cgtaacaagc gtgagctctg gagagtgcag 180
 35 tactctctta gccgtatccg taatgctgct agagatcttt tgactcttga tgagaagagt 240
 ccaagaagga tctttgaagg tgaggctttg ctccgtagga tgaaccgtta cgggcttctt 300
 gatgagagcc agaacaagct cgattacgtc ttggctttga ctggtgagaa ctttcttgag 360
 cgtcgtcttc agactattgt gttcaagtct ggtatggcta agtctatcca tcactctcgt 420
 gtcctcatca ggcagaggca tatcagggtt ggaaagcaat tggatgaacat tccatcattc 480
 40 atggtgagac ttgattcaca gaagcacatt gactttgccc tcaccagtc cttcggtggt 540
 ggccgtccag gaagagtga gagaaggaa gagaagtctg cctccaagaa agcctcaggt 600
 ggcggtgatg cagacggtga tgacgaagag taaatctgaa gtgcgaccgt tttagctatg 660
 aatcaatctg ctttttgata tttttagta agcaactttg ttgttcgttt tcagaggatt 720
 gttttatggt ttctttcttt tactctcgag attgctaaac ctttgggtta tcatctattt 780
 45 ctcacaatta tctttaaaaa aaaaaaaaaa a 811

<210> 778
 <211> 810
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(810)
 55 <223> n = A,T,C or G

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 gctgccccaaag tttatcaagg ttttcccaag agattacaaa cgtgttttat cagccatgaa 180
 acacgaagag gtctccaagc aagcaatcga gcgggcttct gagaaagctg acgagactga 240
 10 agagaaaagaa ctcgaggaga aagatgcatt tgcagaactg aagaacatgg cagctgcttc 300
 gtcaaaaagag gagatgtcag gaaacggagt ggcagctgaa gctagacctt ctaaggtaga 360
 taatgctgtt aaaaacggtg gtttcattgc ttatgagcgt gagggagtta agtacaggga 420
 tccaatgtt cgtcttaatg actggaacga agtcatggag gaatcaaac ctggaccact 480
 ccttacaact cagtcagctc gttgcatgga ttgtggaact ccattctgcc accaggagaa 540
 15 ctctgggtgt cctctcggtg ataagatccc tgaattcaat gaacttgtct accagaacag 600
 atggcaagaa gccttgaatc gtctacttga gacaaacaac tttccagaat ttactgggcg 660
 agtatgccct gcaccatgtg aaggttcttg tgnnttggg ataattgaga accctgtttc 720
 tatcaaaagc attgaatgtg ctattannnn naaagccttt gaggaagggt ggatggtacc 780
 aaggcctcct ctcaagagaa cagggaaaaa 810

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<210> 779
 <211> 810
 <212> DNA
 <213> Arabidopsis thaliana

25

<220>
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 <222> (1)...(810)
 <223> n = A,T,C or G

30

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 ttcacgggtc caaaaactat ataaggctta ttccttttcg acattgtcaa aactttcaat 180
 35 gtcagatgtc caaacacaaa gccaggaaca aaaaaccttc tcaaacact ttagtagacac 240
 cgaatccggg caacgatgat cacacttata acaaatcggt cgagtatgac tattgttccc 300
 aagaattttc atcgatgcag agccnaaata gaacgtgtaa cctgacttaa tataaacgga 360
 agatccgaat atacactcaa ggtggatagt gatacaacat ttgttgcag agtagaacca 420
 ttctcttggg ttcaattctt tctcgcatac ttcacaccaa tatgctttct ctgcatcttc 480
 40 tccatagcaa agcgacagaa gatgtgcac atattttag tagtataactcat atggaatggg 540
 cgcacatcga taacacatag caaatgagca aatagtacat tgcagataat actcatcacg 600
 aacactatct ttgcaacat cacaagaaat gtttcctttt ctagaatatg atgtggagat 660
 gaataaagga tgttcatgac ttttgtgggt gaaacaatca ggaactaaaa tgcacgaaa 720
 atctatctga attgttatct catcatcgca atcagttttt gaacatttgt acctgaaacc 780
 45 agtggactca cgggcgcaag ttgaacaact 810

<210> 780
 <211> 809
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(809)
 55 <223> n = A,T,C or G

5 <400> 780
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aaatgaagtc cattagagat gctgaggcac gtcagctaga ggaagaaact gcgagaaaag 180
cttttctgga ggaagaaaag aaaaaagagg aagaagctca aagaaaactc gaggaggaac 240
10 aggagctaga aagacaacta gatgcaaaaag aagcgtcttt acctaaggag cctcaagctg 300
atgaagagaa tgccattacc cttctaattcc ggatgccgga tggaacacgt cggggccgcc 360
ggttccttaa atctgacaaa ctccaaaccc ttttcaactt tatagacatt gccagagtgg 420
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15 agcttatcta gttttaagct cttaaatata taagaagaat tacatttgtc ttctgcttag 600
aaaaactcttt aattttcaag ttattttntt tatctttctt tatacaaaaag aaaaagtatt 660
tgttgagggg ggaggattat atggtttata aaaccgtcgt cgtttagtcg tttcagttgt 720
acatacaata ctgcctaata tctgtctctc tatctgtcta gtagttataa tgtttatcac 780
atcttcaaat ttgctcaaaa aaaaaaaaaa 809

20
<210> 781
<211> 809
<212> DNA
<213> Arabidopsis thaliana

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tcaagaacaa cacaagactc aggcaaacat tggttgtgtg ctttattcga aactataata 180
30 atatctgaag aaagtgacaa gaagaccaga aaagagagag gtgaggtgaa aaacggtttt 240
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cgtcccaatg cacattgaca ctactccaaa acggcagctt ttaccacggc gtttcatctc 420
gtgcaacaat gtagcaacac aacgcgctcc tgtagcgcgc aaaggatggc ctatggccat 480
35 tgcacctccg ttgacattga ttttctctgg gtcaagtccc aatttggttac ggcaataaac 540
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agccgcctta actgcagcag gaatggcaac tgctggaccg ataccatga ttgcagggtc 660
aacaccaact gcagcaaata tcttgaatac accaagaacg ggaagtcctt tttgcattgc 720
aacacttctc ttcattagga gaaccgctcc tgcaccatca cttacttggc tggaatttcc 780
40 agcagtagtg gtgccatcct tcgcggccg 809

<210> 782
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<212> DNA
45 <213> Arabidopsis thaliana

<220>
<221> misc_feature
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50 <223> n = A,T,C or G

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55 caagaaatgg cgaattacat gtcggaagca gcacagctca gaagaggtct aaagcctaaa 180
gggaagactt atggggttgac caatcagaag agacgagaga tcagagagat ctttgcattc 240

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5  ttcgacatag acggttcagg tagcatcgat gctagcgagc tcaacgttgc tatgaggtct 300
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   caaagtggag ccatagattt cgacgaattt gtgcatatga tgacaaccaa attcggagaa 420
   cgagactcca tagacgaatt gtctaaggcg ttttaagatca ttgaccacga caataatggg 480
   aagatttcac ctctgtgat aaagatgatt gctaaagaat tgggagaaaa tttcacagat 540
10 aatgatatag aagaaatgat cgaagaagca gaccgtgaca aagatggaga agttaacttg 600
   gaggagttca tgaagatgat gaagagaacc tcttanggct aagtataann caattagtaa 660
   tggttgtgaa taatatttgt taatnccctn nnnttttaat aataaagaag tttgatttgt 720
   ggcttggtcg aataaaaaatg tattgttgn naaaaataat aatgtaattc acatccatta 780
   ttttgaatat gtaaattgtcc ttgaacgaa 809

15  <210> 783
   <211> 809
   <212> DNA
   <213> Arabidopsis thaliana

20  <400> 783
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   ataaggaaag gagctgcttc tgttgaagggt gttgaagcta aactatggca ggtaccagag 180
25  acgcttcacg aagaggcact ctctaagatg agcgcaccac caaagagtga atccccaatc 240
   ataaccgccg atgagctagc tgaagctgat gggtttgtct ttggtttccc aacaagattt 300
   ggtatgatgg ctgctcagtt caaagccttt ttggatgcaa ccggtggact ctggagggct 360
   caggcactcg ccggtaaacc agctggatat ttctacagca ctggctctca aggtgggtggc 420
   caagaaacca cagcattgac ggcaataact cagctggttc accacgggat gttatttgtc 480
30  ccaatcgggt acacatttgg cgcggaatg ttcgaaatgg agaattgtgaa aggtggaagc 540
   ccatatggag ctggaacatt tgcaggagac ggttcaaggc agccaacaga gctggagcta 600
   cagcaagcat ttcaccaagg ccagtacatt gccagcatca ccaagaagct caagggatct 660
   actgcttaga gcttaaaaatg attatgggtat caataagaaa aaaagaaaaa aacagtttgg 720
   ttctgctttt ttttatattc tttctctttg aatttggggg cttttgtgat ttttcgggtt 780
35  taattatctt aaaatacatg atattattt 809

   <210> 784
   <211> 809
   <212> DNA
40  <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
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45  <223> n = A,T,C or G

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50  gattcttgac caagtaaata ttgagaaact catcattttc aattccatca atagatcttc 180
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   aagctcggat cgagaaatat cgnnnttatt annnnttgat cggtttacct ttgcctgcaa 360
   aacctgacag ttttccagag tgctcttgcc gcccttgag taaggaacaa tgtgatcata 420
55  atcatgacac aagcatccag gacaaccaac aagcttccta aacacaatgt tccctaaatg 480
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5 ctgcttcaca ctataaggaa agctcctagg ttctggattc gggtcaccgt aacccgaccc 600
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 acgggcttca cccgtattcc ggttgggaga cccggaagat agttcgggtc gggcttttga 720
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10

<210> 785
 <211> 808
 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
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 <222> (1)...(808)
 <223> n = A,T,C or G

20

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 tattnangga agaagagaaa tatgacgaag atacacacaa ttcggattaa tatttagctg 180
 25 aactcaatca tttttttctg ctgattcaag ttcttataaa acttctttat aaaatcatca 240
 gctgctttgt caacgtgtcc attagccaca tcaccatttt cgggcgttaa cggaaacggg 300
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 30 cacgtgaaga gattattgtg actctttttc ctcatgaaag ccatattaga gaaagggaat 540
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 aacatgaggt tcttgccacg tttgagagtg gcgttgaagt cagcgatgag tttgtttttt 720
 gagacgcctt tgcggatcat gtacaagaga aaacgtacga tgttccatag cttcttgctt 780
 35 attggtacgt tttgatccat atcaagat 808

<210> 786
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 <212> DNA

40 <213> Arabidopsis thaliana

<220>
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45 <223> n = A,T,C or G

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 50 tacatcttcc tctgtcttct caacgtatct agtaacttca tgataacgaa acacgatggt 180
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 55 atcaaaagcg gctttaagag actgttgctt gttgtaagga acgtccatgg atgattctga 480
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	agctagccat	ggaaacatgg	ctacgtgcat	aacttcttct	ctcttnnnac	cattttttgtt	720
	attctctgca	catcttcaat	aaagcatgga	catatcacat	atattatgga	atcctagtta	780
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<212> DNA

<213> Arabidopsis thaliana

15

<400> 787

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	gctttgactg	attctcaacg	cgtgcgaacc	cctgatattg	cagactactg	gaaaccatta	180
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	gtttactgct	ggaaaggtct	tcggttttaca	gctcggcaag	accttgaagg	attttctagg	300
	tttactgaaa	tgggaatcga	aggagtgtgc	ccagttgaac	tattgccgcc	tgaggtccgg	360
	tccaaatacc	aagctaaacc	aaacgaaaaa	gccaaacgag	cgaagaaaga	agaaaccaa	420
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	cctgaggaac	agcaaagact	cgggtggttct	gatacagaaa	acggtcaaga	ggccgggtcaa	600
	atcgaagacg	gagagacaga	agaagctggt	ctgatggaca	ctgatcttga	tcatcctcct	660
	atgcccgctc	catgaatacg	ctttcagttt	gtcgaccctt	tcttcaatgg	ggaatccttt	720
	ggatatgaag	ttcaaaaagta	ttgatgttta	acaaattatg	ttaaaaggta	ttttctaaat	780
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<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(808)

40 <223> n = A,T,C or G

<400> 788

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	gccttatcaa	gttgggtgaac	tcgccggaaa	aaaatccaaa	acaacttata	gagatacaca	360
	taaaattgat	ttcttattgt	gctggaggag	gaggagtaaa	aggaggaggga	ggaggaggag	420
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5

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20 ctaatgtatt cagggtagtg ttcaagatca cagtgggttc ctcttttcac ccagagcggc      600
   nmntacttgt ctttgcagag ttcccatagt tgtttcccat gagannaatc cactacctca      660
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   atggggctgt gaaggacgac ggc      803

25 <210> 804
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   tccaaacaaa caacaacaac aaatcgtttt tatgcctcgt acagatccaa gtatcccctc      180
40 attttttatg gtaaaaattt atctccacag gcaaataaat aaattttaatt gacccttata      240
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45 cagcaaaact cccacggttg cgaatatgaa caccaagacc ccaacgatca ggatcaacgg      540
   attgttgtaa cccaagcga gaaggaggac cttctcatag aagactgatg acagctccga      600
   gtgggcaaga ctgagagccc atagacgcag gtaagaagcg gtgttggaag cagctccaag      660
   cacaaactct atggtgtgaa tcagctgatg cacaaatatc tcgctgaatt caaactcctc      720
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   accgtgagtc cttgtatggg cttcataacc aacagtagca gcaatggaac ttcgccgtcg      180
   tctgattggt gtaactcgct gaggtctttg accaccggag gaatgggatg tctttgtcta      240
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   ccccggtgctt gtaacatgcc tagagtccct cttcaatgcc aagccaatat tgctccagct      360
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   ttacacccat ccgtcgacgg tggagctcca acatcagacg acggaggaag caccagtcga      540
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   atttgattta tgcacgtttg attatagaaa gaaaccattt atttggatcat tgctttgtgg      720
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35 ccgttcaatg cgacgattcc ggctgctaaa cccgagttat gttccttctt cgggtggatcg      240
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   ttgaaacctc cagggcctta tgcatacggt caatatacac ctggccagcc aatttcttca      420
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   tgagatcaaa catagaaata atcctaaatg acaatctctt ttcttgtctt gagtttagaga      720
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55 <223> n = A,T,C or G

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   cttgggagag gttgtattgg atttgggatt acagcaggat tcacacagga atagaataag      420
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   gtgtgctttg atttatttat ttcttcattg ggaactaaac tccttcaaca cgctactcaa      720
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   aaaatccata agaaaaagga aaccaaatac aaaaaacaaa aacgacgttt catcctcaaa      180
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   cttggctcag acgacccttc tcgtttgtga ttgtaatctt ctctgattta cactcgcct      660
   tgtcctctgc tttcacatta agaatacgt tggcgctccac ttcaaagtgt acnnnnnttt      720
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55 ccactgacaa aatcattgct gaatacatat gggttggtgg ttctggaatg gacatgagaa      180
   gcaaagccag gactctacct ggaccagtga ctgacccttc gcagctacca aagtggaaact      240

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5	atgatgggttc	aagcacagga	caagctcctg	gtgaagacag	tgaagtcatc	ttataccctc	300
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	ggagataata	aaagccgagt	ttgaatcctt	ttgttataag	taatgtttat	gtgtgtttct	660
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 40 <213> Arabidopsis thaliana

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	accagtggta	atcaagaaga	tagcctgggt	aacacgtctt	agaggagaga	tatcaacagc	360
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	gtagtcaaca	agactgatgt	ctgtgaccgt	aacgtcgtca	taggtccagc	ggttgaagag	720
55	cttgacttcg	ttagtgagcg	cctgctgaat	ctcagcgtca	acatctgcgg	cgggtggccat	780
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 20 attatttcgct ttatagataa aagattctac agaggttgtg gccttgactg aacaatgtaa 240
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35 <213> Arabidopsis thaliana

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55 <212> DNA

<213> Arabidopsis thaliana

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25 tcaggaaaag tcaacaaaga a                                     801

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30 <213> Arabidopsis thaliana

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50 <212> DNA
<213> Arabidopsis thaliana

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	tcagctggaa atcgagggtg agatgcttga aatcgcgaa aagcttcccg cgaggctctt	720
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<212> DNA

20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

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	ctgaatctcc cggacctaac tccgacgctt tttctcccg tcttccgcc gacgatcaga	600
	gcgagcagc gagcacaagn gtgttgagga atgtagnnnt gggnnnnngt gcaaccnnat	660
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45 <212> DNA

<213> Arabidopsis thaliana

<400> 818

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15 <213> Arabidopsis thaliana

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20 <223> n = A,T,C or G

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40 <212> DNA

<213> Arabidopsis thaliana

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<210> 825

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10 <212> DNA

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30 <211> 797

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50 <210> 827

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<212> DNA

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55 <220>

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45	<400> 833						
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	ttcatcatcc	tcgtcggtga	catggcggtt	actgaattca	ttggggatga	aaactccagg	180
50	ctggctcgat	cttctcctag	tcctcgacgg	aaggatatta	tccaaatcaa	cctcagccaa	240
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	atcactgtcg	tcttcatcat	cactttcttc	cacttcgatc	atctttccct	ttcccttctc	360
	ctctcgcgaa	atccctttac	ctttcctatc	aacaacttct	tcttcttctt	cttcttcttc	420
	ttctcgctcg	tcttctctct	catcttcttc	atcctcttgc	tcctcttcag	ctccaacatc	480
55	gcgattacg	ccattctcaa	cctcttcagc	tgctttctcc	gataaaaccg	atgattctgc	540
	tccaatcggt	tcctcggtgg	aagaattcag	attctcgatt	tggccacttc	cattagtttc	600

5	tccgtctttg gactcagaat cagcagaatt caatgaagga ttaagcttct gagccttggt	660
	tgtcacatta tcctgggtctt gacaaaacag atccgatttt cgcttcacag gaaacgaaga	720
	atcctgttga ttctcaacat ccgccataga tgaatcaatc ttcttacttc agagactcgc	780
	gattttgggtt tgagg	795

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	cacaaagggga gaaatagatt tcacagttga gttataagca gagataattc atgatcatat	180
	acaataaaac aagtcccta ccaaagctgg ttcaaggatc tggtttgcca gcaattgcaa	240
20	catcatcatc atcatcatcc tcattatctg agccgtattc ctcttcaatt agttcttcat	300
	cgctagactt atcttctgaa ccttcccctg gctttgcata ctcttcacag tattctttta	360
	ctcgttgctc ataagcagga cgatcacgca tcattaacgc agcagcttct ccattcaatg	420
	gatctgatgg gtttggtatc agaagaagct gaggaagaaa tgtctcaaac acattcacaa	480
	ggtcgaacat aggactccaa gtttggttaa tcacatctaa acaaacagaa cccgacagtt	540
25	catcaacatt aggatgataa attttagtaa tgaaaccaac agatggagat ttataaggat	600
	aagcatctgg aagctcaact cttatcttcc acacacctcc ttgatagaga ctgtctttgg	660
	gaccattgaa ttcaacatag aattotttga tgccatcggt gatcgtttcc actttataat	720
	cgctcatcat cagcttcatc atatccattt ctctgcgttt gcttggcgaa gacatttttt	780
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30 <210> 835
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	tggtgtttgct ccgcgtgggt gagatgaaga gcaccttcat gggtcttggt aacttcacc	180
40	ttgaactttt cctctttttc tcccctcttc aacttcagta gcatgttgta ttttgagcc	240
	tcgccgggta cctcagcttt agcatgcaca acctccagaa gttcataagg gaacaaggag	300
	ttagacctct gctgaatggt cttgacagcc tgctcagcaa catgcttcac ttctggatca	360
	tctccgggaa cttccctcca tccagattca tgttcacctt gcttgcagcc aagatcggag	420
	gaagtgatag caggggcatc actggcaggc ttgaactcct gtaactcttt aaagtccaac	480
45	cacggcttga cccacacttt ggcttcgtaa agcttcttct gtccctgcctc gagaatctcc	540
	agagtcaggat gatgcagtgt tccggctaca acttggttct tcgccttcac aactctcgca	600
	aactcaagaa gtgcattctc tttcttggtg tgttcatcga cagcgaaacg agcgaggctc	660
	tcaacctcac cactgttctg attagcaggg acatcgccaa caccctcgac taaagccatc	720
	tcttcgttgc agaagcctaa atcactggcg atcagagagg aaatgaagag ggatagagag	780
50	aagaaacgga cgcgt	795

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 <212> DNA
 55 <213> Arabidopsis thaliana

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5  <220>
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    <223> n = A,T,C or G

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    tcagcgtaga atctatttga tttcgatccc aagttttttc cttagctcag gaacgaactt      180
    aatgatcttc tccgaatcag gaagagactt agccacactc tctctctcca cacacctttt      240
15 accccaagnn atcagttttg gacactcggc ttcaatgctg aaactcccaa acttctcata      300
    cgcttcaaac caactgtaaa atccaatgag agctatatca acataaccga atgtttcacc      360
    tccaaagtaa gtcttgcttc caagctcaga ctctagtgtc ttgagtatct cgatgaactc      420
    cttctctccc gcctcatgct cttcgctttt agctccccaa atcaacctcg ctgaagcata      480
    caccttctta tcaatgaaat ctccccaaaa tttggcctga gctcttttgt aaggatcaga      540
20 aggaagaagt ggggttttgc taggccaaac ttcgtcgtatg tattcgatct ggatgagtga      600
    ttcacatacc ggannaccat tgtngatgan nnnnngtatt ttcttatgaa ccggattcat      660
    ctcgaggaga atcgggcttt tgttccacag atcttgttct ctgtaatcga atttgacatt      720
    tttctcttct aaagcaatcc tcgtcctcat tccaaacatg ctcggccaga aatcaagaag      780
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    gctaattgat cagtgaagaagg aggggtgtc tctcaggaag cattgatgca catgcatggc      180
40 ttgaaagcta aagtcactaa acaagttaga gagctctctg tagaggcagg tggtaaagggt      240
    tctgctaaga aagatctcaa caccacaacga aatttggtca aagatcttgt tgaatttctt      300
    gaggatggat atgctcctga aacctcaaca aaagtcggag gggactatth acagacgtca      360
    acgtgggtatc agatgataca gttgaattat ttgaagcatt tcctagggggg tggctttatt      420
    aagcatatgc aggagaatga attccttcat gatgtattta gtttactca gctcttaaca      480
45 aagcaagaac gcagttcctg gccaaagcaaa ggatgttagc taagaatatg aacgttgggc      540
    attacgcagc tacagcaatg gaggaagaat gatggctcta caattgattt ttgaagaatg      600
    atggcacact catctgctgc ttttggaaaa tgttggtgtt ccattagtac actttttctt      660
    gtttcatgtt tttgatttga taattgggtc caatattata accannnctt agaaatgtct      720
    tttcatttat aacaattttc gaccgttgag tgtaattcct atgattcaac acttggtgtt      780
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55 <213> Arabidopsis thaliana

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    tcaatgtcac catcccagtg gatggttatg atcctgttca gtttttcctt acaaaactct      180
    gcgaatacaa tcaaggtaac gaaggaggat cagcgaaaagg atgggctata tttggagttt      240
15  tttcctgcgt attcctnnnn gcattctgcac ttttctgctg tgggggcttt atttataaaa      300
    caagagtaga gcgtgtgcgt ggaactgatg cattgccggg gatgtcactt ctatcgggct      360
    tactagaaac tgtgagtggg agtggacaaa gctactcaag aactgaagac atcaacaatg      420
    cttttgccaa tgaagtctca tgggaccgct cttccgcac tttactcaa gcgacaacaa      480
    cacagagacc aagtgaaga acatatggtg cgatctaatt ttgtcaagtg cctcacaaga      540
20  ggtactgttt caagccatgg tatggcacgc ttgtgatctg cgatttctgg attttgcttt      600
    gtatgtttat tttctacctt ctagaaagag gtcaaaaagt taatagcttc accgtgagaa      660
    tgttgttttc accagattca tgtgctatga tagaaaaaga caaagcaaac aagagttctt      720
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    aaaaaaaaaa aaa                                                    793

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    <223> n = A,T,C or G

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    tgctatcctt gatgagatgc gaggaagtct cgaaataaga ctagcagcag cactggagtt      180
40  gaaaaagact gcngagaaag aaaagaaaga caaagaagat tctgcactta aggcacttgc      240
    tgagcaagaa gccaacatgg agaaagtggg ccaagaatcg aagcttctac agcaggaggc      300
    agaggaaaat tccaagcttc gagattttct tatggatcgt ggtcagattg ttgatacctt      360
    acaaggagaa atttctgtga tctgtcaaga tgtgaagctg ttgaaagaaa aatttgaaaa      420
    ccgagtgcct ttaaccaa atcgtctctc aagcttcaact agttcatgcg gatcatctat      480
45  gaaaagcttg gtgctcgaga acccttctga gcgattgaat ggagtgactg aaacctcaaa      540
    caacaacaag ttcccagaag cagcagcttt cttcatgaac aaagagaaag atgattgtag      600
    agatcttctt gaagatggat gggacatctt tgacaaggag accgaacaag ttggttggtg      660
    ctgaagaatg aagttattgt acatataggg tacttaaatg ctaaaaataa atggattggg      720
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50  acttatggat ttt                                                    793

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   ttcagagaca tcaaaactat atcctctctg cagaaaacca gcgtggacga gttgttattc      180
   ccaagaggaa atgctctatg tatgttggtg tctatgtgtc tcatacttga tggatcttcc      240
15  acatgccagt tctgtatccc acagacatta aagcaagctc ccaaagcatg tttggaatgc      300
   tcaacatact gacttttagac ccgggaattt cggaccattt cacagagatt tcaaccattg      360
   gtatattaaa acgcttgcac aagtacacca attcaacatc aaagcaccac cttttcagat      420
   ggacgtttgt gaaaagtctc ctagcagcag cnctagtaaa catcttgaag ccacactgtg      480
   tatcccgaa accaggacca gcagctaata gaaccacaag atggaaaccc ttcatcagaa      540
20  agttgcgata ccatttcctt gtagcaagag ctttctcctc gagatgagca cgnnnaccaa      600
   atgcgganac ttgaacatca cctattttga aatccatata cttagatgct ggatttctga      660
   ttgaatattc ttctctggct actgcattga tctgattttc aagtttttct aggtccgtta      720
   ctttagttgc tccatcagca tccaacatga gaagtagctg accccgcgaa tgcaacattc      780
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25  <210> 841
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30  <220>
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   aacacaccat tacaagcaaa gttgtgacaa aagacgaagt cgttnttgaa ccatctaaca      180
40  cttttatttc aaactctcca actttggttc tgctacgtac tcttcaagta gtcttttgat      240
   caaacaagac gtctacagag cgtgatacca tctccaatgg aaatctgaga gacctcgact      300
   cggggatcca aagccaattt tttattgaat tctataagag ctgctctata ttctctcata      360
   tgctccggaa ctccatcttc atcctccgcc acaaaaacaa accacaaggt gttgtcgaaac      420
   gcaatgattc ccccaacctt caccaatttt agaagcctct catggaagtt gacgtagctt      480
45  gatttgtcag catccgcaaa tgcaaaatca aactcacatt tgctcgttcac caattggtct      540
   aaggccttaa gaccatcgga atggataaaa ttaatcttgt gatcaacacc agccttctta      600
   ataaactcta gtccaacttc gtaagcttct ttatcaatgt ctatcgcggt aatacggcca      660
   tcttcaggta aagcaagagc tgtagtgaga agcgagtaac cggtgaaaac accgatctcg      720
   atagtgtttt tcgcattcat gatctttaca agcatcgata ggaaatgacc ctcatcaacc      780
50  ggaacctcca tc                                          792

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55  <213> Arabidopsis thaliana

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    attctcttcg gagcgtcttt accggttgcc gtgctgtgat tttgccccgc tttgggtggtc      180
    cggagggttt tgagctccgg gagaatgttc cggtgccgaa tctgaatcca aatgagggttc      240
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    gacgttctgt attccaaccg catctaccta ttatagttgg acgtgatgtc agtgggtgaag      360
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    tgcattccgac ggcgttaaga ggtacttata ctgactatgg aattctttcg gaagacgaac      480
    tcacggaaaa gccatcatca atttcacatg tggaagcaag tgccattcct tttgcagctt      540
20  tgactgcttg gcgtgctttg aagagtaatg cannnataac tgacgctgag aatggagaag      600
    caggggaagc gcgtaagcgt aagcatgatg atagcagtga tagccctgct cctgtaacaa      660
    ccaagaaatc taaaaccaa gaagttgaag gagaagaggc tgaagagann nngaagtctt      720
    ctaagaagaa gaagaagann nntaaggaag aggagaaaga agaggaagcc gggctctgaga      780
    agaaggaaaa aa                                                    792

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    <213> Arabidopsis thaliana

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    cattggctat aattatgaca aaaactgccca aaaccatgaa tcctaagttt tacttagttc      120
    ttgccttaac cgcggttctg gcctcaaacg catatgggtgc ggttgtagac atcgatggaa      180
35  acaccatgtt ccacgaaagt tactacgttc tccctgtcat ccgtggccga ggcggaggcc      240
    tgactctagc aggcgcggtt gggcagccat gtccttacga tatcgtgcag gaatcttcag      300
    aagttgatga gggcattccc gtaaaattct caaactggag gcttaagggt gcgttcgttc      360
    ccgaatcaca gaacctcaac atcgaaacag acgtcggagc cacgatctgc atccagtcaa      420
    cctactggcg ggtcgggtgag tttgaccacg agaggaagca gtacttcgtg gttgctggtc      480
40  caaagccaga agggttcgga caagattcgt tgaagagttt cttcaagatc gagaaatctg      540
    gagaggatgc ttacaagttt gtgttctgtc ctcggaactg cgactctggc aatccaaaat      600
    gcagcgatgt cgggatattc atagatgaac ttggcgttcg tcgtttggct ttaagcgata      660
    agccgttctt ggttatgttc aaaaaagcta atgtgaccga agtttcgtcc aagactatgt      720
    gagaggacaa ctctcgatct tttactttga ctactcataa taaaacctct atgttttttt      780
45  tttgataaaa ca                                                    792

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50  <213> Arabidopsis thaliana

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55  gaagctgcta aacatttcac tattatcaaa gaccacttaa gtaatgagat cttcttatga      180
    tggtagaaaac ctcaaggaac actatatcct atgtaaaagg gggaaaaaac ttcaatcata      240

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5	attgtaaaac	ataatatgac	atcagcagag	aaagagagaa	ctaaattcca	ttctcaacag	300
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	ccacaacttg	tccctttcct	ctcattatcc	atcttggtgt	caataatcct	tcaactccaa	420
	ctggaccacg	ggcatgaatc	ctgcttgtgc	ttattcccac	ctcagcacca	agtccgaacc	480
	taaaaccatc	agagaatctt	gtgcttgcac	tgtggaaaac	agcagcactg	tccacttggc	540
10	ggaggaatat	ttctgctact	tcactatctt	ccgtcactat	gcaatcagtg	tgtgcacttc	600
	catggttggtg	aatatgatct	atagcaccat	atacgtcttc	tacaatttca	acggtgcagg	660
	ccttggaact	gtactcgtgg	tgaaatgatt	ttgtttccgg	aatattcagt	tttgcaattg	720
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	tccatcaccg	ggcgcacca	cggtttagaa	tcagccgatg	accgcactcc	gactatccga	180
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	tcactataat	aacactcccc	attctgccgg	agatcctcgt	ccgtcgtcgt	gccgctagtc	300
	gaagctccgt	tatcggagga	attttccgtc	ttcggtttaa	cggctaaatt	ggaaaaagaa	360
	tactcaacgg	catcgttttg	aataggaaca	acaacttgag	acgacaccgt	tttggttcg	420
	ttaatctgac	gatgagtttg	tggatcaata	ccgtgactaa	gaagcttcct	cttaatatga	480
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	gaccatttgt	taccgagtaa	gctatggagt	ttgatgatga	tttgatcttc	atcatcagta	600
	aaattaccac	gtttaagatc	aggacgaagg	taattaatcc	atctcaatct	acaactttta	660
	ccacaacgca	acaatccagc	ggatttagga	agagaacgcc	aacaaccttc	accgtgatta	720
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35	gctttttcac	a					791

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	gtccacaact	ctcaaagatg	cctctggaaa	caaacttctt	caagacattg	gcctatggat	240
	ctcccaaaga	atcaaggatc	attttgccaa	gaagatgacc	cttaccctca	aatatataga	300
	tccaacctac	atgatacgag	ctgttccgag	caatgcatca	gacaatgtat	gctgcacgct	360
	tttagctcaa	agcgcgnnnc	atggagtgat	ggctggtnac	aatggtttca	ctggttggcct	420
55	tgtcaatgga	agacatacnn	ncattccctt	caataggatc	acggagaaac	agaacaagggt	480
	ggtgatcact	gacagaatgt	gggcgaggct	tttgtcttcg	acgaaccaac	cgagtttcat	540

5 gaagcaagct gacaagatcc actcaaacca gttggttggt gaaccaggga ccatgaaatg 600
 gtgatcaaca ctgtctacaa aaacattcgt ttgtgttttg acttgaggac atctttgttt 660
 gggaagtaag gtttcttaat ttaatagaaa gcttttcaaa aattgtttta taatattctt 720
 caagcaaaga gaagagagag agataactct tgtgagaata atgtaacaac tcttggttcc 780
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15

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 aatgttcccc ttgaaccttt ctctcaatct cttcactttc tctgcagttt tctccgaagc 480
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 gcaattcaga aaccctttga gaatctcgct tctcacagga agagtacggt aaatctccga 720
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<211> 790

<212> DNA

35 <213> Arabidopsis thaliana

<220>

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 atttggtgaa tgggatgtga atgatccagc atcagcagaa ggttttacag tgatattcaa 300
 caaagctagg gatgagaaaa agaccggtgg caaacgggga tcaccggtga aatccagtga 360
 gggatcatgt aaatctggag gaggagatcc tagtaaacct cagcctaaaa aatggctctg 420
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 aaaaaaaaaa tcacagtgtt tacacatcta aaagcaatgg ttctttttat gttttattgt 540
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 aaaatgctgt aaaatcgtgt ctccatttta ttggaaaaaa aaaaggaaga aaacgaaaa 720
 55 aaacacagct tactgtgtct atatgtaatg attctcttgg ggtcaaaaaa aaaaaaaaaa 780
 aaaaaaaaaa 790

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 <213> Arabidopsis thaliana

10
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 atcaaataat actatacata aaaccagaag tgcattcagt tcaagattta ttctcttctt 180
 15 ttogctttac atttgcatgg ctagggagcg gacacagctc agtactccct tactcatttg 240
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 cagaagcatt cagaggtcac catttgccag tgtttcatga ctggattttc tgtcatcaat 360
 ggacacggcc agaccgttgc ggttctcaaa cttgtgcagc tccgattcta tggttttggc 420
 tatcacacaa cgttcagctt caggctcagg aaaaccacg tggaatgatc cttgctttgc 480
 20 aggttctgct tgtccttggg tttcataatg gtgcttcaca tagttgtata gctgttgatg 540
 gaagggatga ttgatagaaa aacaatttgc gctctgagtg tggtgagatg acccagagct 600
 tccacttcta cagaaatgtg gcagggatgt gaagtccata atcttcaata attcatccct 660
 tccgcaaccg gataagacat gaactttttt ccttgtcctc tcttgtaaaa gaggttttac 720
 aaccttccaa catgcggaaa atatatatgg agcgttcaca acatagtacg tgtttgtctt 780
 25 ctctggatag 790

<210> 850
 <211> 790
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(790)
 35 <223> n = A,T,C or G

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 40 tatagttggg gaagcaagaa aagacttcat agtagccaac agcttattct tattggtcgc 180
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 cgattcatac actactctta tgtctgactc tgcctcagaa tttgtgacta aactatatgg 300
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 gagaacgtta ggaggaggt tcttgagaga ttgtgctgat aattacaacg aagcagcaaa 420
 45 actttttaat tcaaagctct ccccaaaatt ggattcgttg cgtaaaaccc taccgggcat 480
 caaacggatc tacattaata tctatgatcc tctttttgac atcatccaga atcctgcaaa 540
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 gttgtgcaat aaaatcacat cttctgtatg tcccgcagtg tctactcatg tgttttggga 660
 cagttatcat cctacagaga aaacttacaa agtattagtc tcaactgttg ttaacaaatt 720
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<210> 851
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 55 <212> DNA
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10
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acgagctggc atgatgagtt tgatgacgat ggtccctcat cccggaagca aacctcgtgg      180
15 ttcaaaaaaac agtactccaa ggaacccaaa ggaaaccaga ataacaaaaca cggccctac      240
acttggggta aaaggaattt tgatttttgc gaagttgatg aggactttga tgtcgactat      300
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gatgaacctc gatggcggca tctactttca aggttttcca acaactctaa caggtcttgg      420
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ccagatcgtc atcaaggctc taccaaggag gcggtgaag caaagttcaa gctctgcagt      660
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25 caaaattg                                     788

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<211> 787
<212> DNA
30 <213> Arabidopsis thaliana

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35 cagatagaac tcacaacacc atcgtcgttc tccacaaccc taattcgtgg attcacaacc      180
ctacaatttt gtctaatttc tcttgagtt ccagtcaaag gtctaagatt tcccatccta      240
atcattgctg caatgaatgc tcgaaagaac acggacatgt cgtgctgta ttggtttact      300
aaagggatcg tatcggtccc tggagtcgaa aagagttcct ggctactctg aataagacct      360
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40 aagttgacca gaacggtgcc gtttccgttt tgaggacaca atcgacggag ttcgacaagg      480
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ggagaggggca cgtcccgaag tagaaatcag gcctcaactg agcattagag tttgatgctt      720
45 gaagcagaag gcaacccaaa attagggctc caatagcact gcaagaaaat gaaggagaaa      780
accccat                                     787

<210> 853
<211> 787
50 <212> DNA
<213> Arabidopsis thaliana

<400> 853
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tccgctggaa gcaattatga aggattgtcg tgattacttc caagaaacaa atagacgagt      180

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	gatagaggga	tcagagtacc	agcgacctta	caagaaagcg	gtcctagcgt	ttgcagctgc	360
	gttgaggtcg	cgtaagataa	cagcaagcgt	aaggcaaaca	agaggacttg	atgcaagtgc	420
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	acgactttga	cgataggtgt	gatgatattt	acttttggtt	ataattatga	caagggaact	720
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<210> 854

<211> 787

<212> DNA

20 <213> Arabidopsis thaliana

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	gctagtgaag	aagttgctga agaaacccct gatgagatca agcttgagac agctcctgct 360	
	gatttccggt	tccctacaac aaaccaaaaca aggcattggt tcactcgcta cgttgaatat 420	
30	cacagatgtg	tagctgctaa ggggtgatgat gctccagaat gcgataagtt tgcaaagtgt 480	
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	taccttcctg	agattacact gcagagttaa ataagatttt acaaaaaccag cacttctggt 660	
	ttccatcatc	ataaaatgtg agaatttaac aaaactttat gaatctcaaa tttttctctt 720	
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<220>

<221> misc_feature

45 <222> (1)...(786)

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	attggcataa	gagacttgaa gcttccattt cctctcaggc gacttagaca ttgagcgga 180
	tgaattgcaa	acttttggga gagtagtctt tcttttgat gcattgcaga tttgagctac 240
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	acatgattcc	cagccttttcg tatcgctttc gacgcaccgt atgaacgagt attgtgattt 480

5 ctgatcgggc caagttctta atgcgcaagc ttcaagggcg tttagtttgc attcctcttc 540
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 10 cttgggt 786

<210> 856

<211> 786

<212> DNA

15 <213> Arabidopsis thaliana

<400> 856

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 25 caagtgaatg tttccaccgg tgttgttgag actcggatca ataatgcatt aaggcaacag 480
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<210> 857

<211> 786

<212> DNA

35 <213> Arabidopsis thaliana

<400> 857

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<210> 858

55 <211> 785

<212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(785)

10 <223> n = A,T,C or G

<400> 858

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<210> 859

<211> 785

30 <212> DNA

<213> Arabidopsis thaliana

<400> 859

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	gaaactgaag	agttaactta	aaagataaga	gcccagacgg	ggaagacgac	gagacagatg	180
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50 <211> 785

<212> DNA

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<211> 785

20 <212> DNA

<213> Arabidopsis thaliana

<400> 861

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40 <211> 785

<212> DNA

<213> Arabidopsis thaliana

<400> 862

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50	atccctaata	aggcattggg	gtactccttc	ttgcactctt	ccacttcctt	caacacttga	360
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	caagggaatcc	acttggttgcg	gataaggtag	tcaacttcct	tagccaattc	ggaatcggtg	540
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	gtggctggga	aggcagcgga	ggacttaagt	ccgttgaaag	gagcgaccat	agtggcctga	720

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<210> 863

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10 <212> DNA

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<220>

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15 <222> (1)...(784)

<223> n = A,T,C or G

<400> 863

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35 <211> 784

<212> DNA

<213> Arabidopsis thaliana

<400> 864

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aaaa 784

55 <210> 865

<211> 784

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   <220>
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   catccataag aaacctaaat gagcaaatca gtcacttggt aaaatatgca aaacaacaaa      180
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20  tgtactcctg catactatca tcagggctct cctttcccg tgaggctgtg gtggtgttcc      420
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25  caaccatttc aggtgacaat tcatctgtac ccacatcttc atcaatctcg atatcagcgt      720
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30  <211> 783
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   aaggccacaa ggaaatcgcc ttgataagca agagtcttact gaacttgtga agaggggttc      180
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45  agagtggctg gctaggtacc aaaatccagc taccacttct gcaagattta aatctgttgc      660
   ttatttcatt tacgaatcgt ggagtaaagt gttgttgaac attgttgaaa atgtttgtta      720
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50  <210> 867
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55  <220>
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 <223> n = A,T,C or G

<400> 867

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	ttcacgaatt	cgagggttcca	gaggatcagt	atatattgca	ttcagctgaa	tctcagaaca	300
	ttagtcttcc	gtttgcttgc	aggcatgggt	gttgtagtag	ttgtgctgta	cgtgtaaaat	360
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	aaagtggcag	actttctgta	ttagaggtga	ctagttaggt	caactttctt	agtcctgaat	660
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25 <211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 868

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	aaagtcat	caaacatgaa	accaagccct	cactgtttta	aacaagcacc	acaaggctaa	180
	agtgtgtcaa	aagaacagca	aacagaagcc	tgcaatgggt	tttagattga	tcagaccgga	240
	aggatctatc	ttccttgaaa	gtataaagcc	aagtactcga	gctaaatgca	gaatcaagcc	300
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	ggtatcccca	agttggagag	gacacctcta	atgattccac	acgggaaata	gaggtacatg	420
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	gatgaagggt	caattgagac	acgagacaac	caccggaact	tggtgtcttg	taatacaaaa	540
	gtaccccggt	gatttgtctt	taaattatca	atctgcttct	tgaagacctc	agaccagaag	600
40	tctttgcaga	taaacttgat	tgcctctaga	tggctactga	accttgggtc	ttccatagtg	660
	tacctctcgg	agagctgggt	gccgacctga	taaccaatgg	cctcgatcct	cggagcggcg	720
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45 <210> 869

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<212> DNA

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<223> n = A,T,C or G

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35 cgtcgttgta gctgggtttg ttctgttttt cccgaattac tctagctttt tgtccaagcc      300
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   tgatgatgat gatgatgatg aattctctat gcttacttgt tggatactga atgagaaaaa      720
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55 tcggaaagag gaaatcggat tacgttgcca gtgagattcc tagagatggg attgagtctt      240
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5	aaatggcgga	ggttacggtt	aacgcgacgc	cgtttccgca	ccgaagcaag	ctttttaaga	360
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 aaaagatgag gagtttagat ccttagaccg aatttttagt ctttttcttg actacattta 660
 35 agttacattc ttatttcttc atcatctata tgcacttagt cacagaatac cancaatgan 720
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<211> 775

40 <212> DNA

<213> Arabidopsis thaliana

<400> 892

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 55 ttctctgtaa atttatcaat tccttcgatc tttcttcttc ttgcctcggc ggagattttg 720
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5

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 <212> DNA
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10

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 15 gatccatatg ttgagatcca atacaaagggt caaacccgca aaagcagcgt tgctaaagaa 240
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 tatttaaaatt aaaatgtatc atgatttggt ggttggtggg aatcttcttg atttagtaag 720
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 <212> DNA
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<220>
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 <222> (1)...(775)
 <223> n = A,T,C or G

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 45 accacctaatt gggctttggg gcttgagcct ggctcgagct gatttagttg gaaccatgta 540
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 gctgtgtctg cggttcctct cggacaggac cgagattgtg cttttggagt cgtcgtcatt 660
 ggatttcctc gaggattggg ttagccttga gggagttgga ggtgagangn nactgttttt 720
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15	gccggtgagc	aacacgattt	gaagagggaa	atgaatggat	tctcgaagg	gaaaggttct	360
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	ggacttgtct	actctgtttc	gagcgtgttg	tcgaatgtga	tcagtgtcat	tacgtggccg	480
	attgtgtcgn	nncttgtggt	gatcttcttc	aatttcatgg	atgatgagtt	tgatgccttc	540
	aaagggtgtg	ccttggttac	tgccgtctta	agcgtgcag	cttatttctt	taggcttcac	600
20	aaanncaatc	gtatggctta	ttaggttttg	attcttgaat	ctctaaagaa	agttttttta	660
	tttcccttga	ttttttgtgt	gtatatctaa	tcatatattc	taggtgttta	tcttgtgtaa	720
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<210> 896
 25 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

<400> 896

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	cttgcatttc	tttacacagc	ctcaaaatct	aaacccttaa	tgcacatctg	attttacatc	180
	accacaccca	atgttcgttc	tatcacatga	tagatacctt	atatgggtcg	taaaaatagg	240
	catgtgtata	catgtattta	tgtatctata	tacagagaga	gatccacttc	accaatcttt	300
35	gttaagtcct	tgtcctaccg	gaggcagctc	cacctccact	gtcgtaccg	ccacctgtgg	360
	ctccatacat	atggttctgc	tggtgaagaa	actgatgatg	ttggtgatac	tgcacccac	420
	caccaccacc	gtagaaccca	ccgccatctc	cgacagcatc	tctctgatgc	tctccgacct	480
	caccaccagt	ctgtggcctc	cctagtccag	tcctctcccc	ttcgatctcc	ctaaacctct	540
	gcaagtaaac	tttcaatggc	tcaacataat	cctcaaaacc	tagagtagtc	atagcccaga	600
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	cggtgacgaa	gctgatgaac	tcggagacac	actcctgcat	cgtctctttg	gcatctttag	720
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 50 <221> misc_feature
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5	caacagaaga	gcttgaagca	acgaaataca	cacaagagct	tcaagacccc	aataaaaacaa	180
	actcactgca	ttactttccga	ctcacacgat	caggtcaaaa	aacaagcaag	attcgttttaa	240
	gaataatcag	atcacaagtt	ctcgagacca	gtataaaaaca	atztatgtgc	tttgtgtttt	300
	gctgccagat	gactgactat	agctcagtg	cacaaagacg	gatcattatt	tcagagacca	360
	ttctccgtgc	gaatggaata	taactgaggc	tgtaccatat	cagtgcacaa	atctcacata	420
10	agatcgcaag	gaccgttaag	atthttgctat	ggatcaggag	agcgcaaatg	agtgaacaa	480
	cgacacatcc	gatataaatg	gatgtagcta	agaaacgaac	aggggtcaaac	atcatactca	540
	tctgttgctc	aggtcccatg	aggaaagctt	ccaatagcta	gaacatttcc	aatgtgaag	600
	agcagtgcaa	atthtgatggg	gatcccaaat	acaatcatag	acaggaacat	aagtagcaga	660
	ccagtggcta	aagacggcgc	gaatccgtac	attctctggg	tgggtggagag	agcnnagaga	720
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<210> 898

<211> 774

<212> DNA

20 <213> Arabidopsis thaliana

<400> 898

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25	aagggagaga	agatcaaaga	gagaagcaaa	caaaaaacgt	cctaaatctt	gattccaaaa	180
	atcaccatga	tccatgatcg	ttttgctttt	caatgttctg	acaaataaac	aattcaaaag	240
	agttttggtta	ttgttaacta	tggttgcatt	tttggttttag	tagatgatct	tgatcacatc	300
	gtcagatgtt	gtcccatatt	tgthttattcc	tcattaaaaat	gtacttattt	aaagacttgt	360
	tgtgtgttaa	aaaaaaaaaac	aaaggatcca	aactttgaga	atctaaaaaa	catttttcat	420
30	caacatcatt	ttgactctgc	ttttcacttc	ttgtgctgag	ccttgagttc	ttttaccttc	480
	tcttccgttg	ccttcaatgc	tttcccatag	atagaaatca	actcatcaat	ctcttcagg	540
	gagataatga	gcggtggaga	catcaaaatg	ccatcacctg	caacacggac	taacatcccg	600
	tgcttctggc	actcggctcc	aaagaatgcg	ccaacacccc	attctgggtg	aaatggttcg	660
	ttcggagatt	tattgtctac	aaactcagtc	ccaagaatca	aacctgttcc	tcttgtctct	720
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<211> 774

<212> DNA

40 <213> Arabidopsis thaliana

<400> 899

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45	attggaattg	aaggaaagat	gagcaatggt	ggtttgagca	ttgatgagaa	agaaggggtg	180
	atagacaaaag	atgaagtcac	gatccgtcga	atgaagaaca	gagaaaagaca	acgtaggtat	240
	cgagccagga	aacggatgcg	ggaagaagaa	gcgggtaacg	atgataatct	ttcgtttgag	300
	acaatgggaa	aacaagaaga	agaagaagaa	gaagacgagg	gactagagtt	taatggacct	360
	agtggttatg	ttgagaactt	tgtgcggcgg	gtttatttgcg	atagaaattg	gaaaaaagaa	420
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	cggaagataa	ggccgcatcg	tcgagattgg	aaagctgaag	ctagaaagaa	gaaaacttga	540
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	caaacaaagc	agatttcaga	ttcaataatc	tcttcaagat	ttctatthtt	gtagatattg	660
	gaaatgatca	agacaaaagc	aagtgattht	ctthttcttg	tctgtgactc	tgtctgtgta	720
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 <212> DNA
 <213> Arabidopsis thaliana

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 cacgacgta taacaagaca cgtgttgcaa gagaagcgat gaaacgttcc tgtcatcctg 180
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 ttcaattcca aaatcatcaa tcaagagatt tggcaaaaac aggtaatgag gaaagaaaaa 360
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 gcaatcccaa tatgctggaa acaaaacttc ctttcatact tgaggtaatt ctgcaaatca 480
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 20 ctccaattga aatctttaga aattattgaa agaaaaactg aaaaagaaac taaagcaatc 600
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 aagccggtt tgccagaaga ggaccggcca tctttgctaa caaagccaaa attaatctcc 720
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25 <210> 901
 <211> 774
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 <213> Arabidopsis thaliana

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 35 ttaatgggaa aaagggttgt ttgcttggtt ctgtagatat tgtaaggact gataccgaga 300
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 40 catctataga aaccgtcatg aatcatctgc aggaaacggc gcttaatcat gtaagactg 600
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 gggttgtcac tcgtatgcag gttgtggttg ataaatatcc tacttgggga gatgtgtgtg 720
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45 <210> 902
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 902
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 agagctcaga agactaataa actgtctttt aaatagaaaa gaaatacaaa aatgaaagaa 180
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 catagagctt gaggtgtgac ttgtaccatc ccccaacagc aaaatccaac acagctttat 360

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	gccaaagcatg	gcttccactt	ctagtggggg	gtcccacaag	gcgttgtaa	ggtatgccat	540
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	aaatgatgct	tcgttggtat	tgacaagcat	tgaagagatc	tcgggtgttt	tagggccgtg	660
10	atcactccac	ccgaactcag	aacagtcgaa	ggagttactg	ccctgatcgg	aactgaaata	720
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<211> 773

15 <212> DNA

<213> Arabidopsis thaliana

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20 <222> (1)...(773)

<223> n = A,T,C or G

<400> 903

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	taatacaata	ctgacgcagt	ctggaaaaat	taaaagcagc	taaacttttt	tccggagatt	180
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	aactccatca	gtgtaaccac	tgaacaatgt	gcttccatct	gactccagt	tcaagcttgt	300
	gcagtagata	accttcttct	ggttaccagt	tccaacacca	ccttcattct	tctctgcctc	360
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	aataatcgaa	ccgcctcaa	gcgagtaaag	cttctttcct	tcagccaaat	cccacaacaa	540
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	gttgaggtaa	ccagagtgc	caacaagaga	gttcctcagc	ttacagttct	ggagattcca	660
35	aactttcaca	gttttatccc	aagaagcaga	tacaatagtt	ggtacaagag	tattaggact	720
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<211> 773

40 <212> DNA

<213> Arabidopsis thaliana

<400> 904

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	ggtgaagagt	cttcattcgt	gggtcctccc	tcagccatgc	atctcactcc	caccggataa	600
	ttcctcttga	ggtaggggaa	gctaccggcg	gagaaaagct	tggttggtgtt	gatcttgcca	660
55	gtgggttaatc	caccggcgaa	gactgattgc	atggtgaacg	atgctgttgc	catttctaaa	720
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<210> 905
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 <212> DNA
 <213> Arabidopsis thaliana

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<400> 905
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 ttaaagagggt ggtcgtgggt agcagccttg atagcatatt catggatgag gaatacatgg 180
 15 aacatgatct taaagcattg atggagacaa tgaagcagcg ttttagtcaa agtgaagtta 240
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 20 acatgtgggtc actgggctgt atcatggcag aactattaat gaaggcgcca ttgttcaatg 540
 ggaaaacgga gtttgatcaa cttgacaaga ttttcagaat ccttggtact cccaatgaat 600
 ctatttggcc tgggttctct aaactacctg gagtcaaggt caactttgtc aagcatcagt 660
 ataactatt acgtaagaaa ttcccagcca ctctggtcac tgggtgcacca gttctgtccg 720
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25

<210> 906
 <211> 773
 <212> DNA
 <213> Arabidopsis thaliana

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<400> 906
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 aagcagagca cggatagcga gtttaatagt ttcttggcca gaggattctt tgtagtctct 180
 35 ctcgaggaat tccctaatag agttggagtt tctgcgggta gcattagctt tccaagcaga 240
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 aacgataaga gtagaaagac cgaaggggtct gacaccacca ctttgggtat acttctgttg 360
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 accgacggcg gcgttaccct tgcggacggc ttcaagggcg tattcgactt gaaagagggtg 660
 accgtcgggg gagaagacag taattgctcg atcgtatcta gccatctctc tctccgcttt 720
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<210> 907
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 <212> DNA
 <213> Arabidopsis thaliana

50

<400> 907
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 aagatacagc aaacaacaag tgtgaatagt acaagagaag agagacatgc aacgaaaatt 180
 55 ataaccaaaa acgaggttct acatattaaa gacatcccat cttaaaagaa gcttttaacc 240
 ttgcggactt ggatgttatg tgtcgattga gatcgccaga ttggctgtgt accgctctgt 300

5 acgattgcta tttcctctcc cttcttcacc attccttggt tcagtaatgt agccaaagca 360
 ttagcaaaag tttcttctgc atcatctgtg aactccatat atatggggca tacaccttga 420
 tacaaagcta atctttgttg tatttttttc tcattttgtga aggcatagat tgtgccggaa 480
 ggacgatagt gacttaacaa tatggccatg aaaccggttc tggatgaagac aacagttgaa 540
 gttccaagtg tgtttgacat catgggtgca tggatgcaa acatctcact catatgggtc 600
 10 ttgaaggctt gaccaagatt aggtggcatt tcaccgctag taatgggtgc ttctgttcgc 660
 aatgcaacag tgtgcatcac tccagcagct ttcaatggga actttccgtg agcagtttct 720
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<210> 908

15 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 908

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 ggtggttttg attggttcga agtagctgca gttgacataa cacgtaaccg accagctatc 180
 tccgtgaagg atggccttgc tgttgggtta ggcgccaac actcctccat taatattcgc 240
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 ttcacaagta aattgtcaca tttcaaaten aagtgaacaa tgtttttggc gtgcaagtat 600
 35 tccattccaa aggcagcatc catggcaatg attagtctct tacgacgac cagggtgtcta 660
 tctttcctga ctagaacatg tctcagagaa ccatcaacca tgtactctgt tacagtagcc 720
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40 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

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<223> n = A,T,C or G

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 tgactatctc tgcattggctg ttttgggtcca agaagtcac atgacggatt acgcattcgt 180
 cattcacaca actaatccat cttctggaga ttcattcagag atttatgccg aggtggtcaa 240
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 55 gaaaaacaac cttgattcgc ctctggtggt gggctaccca agcaaaccga ttgggctggt 360
 cataagacgt tcaatcatct tcagatctga ttccaatgga gaagatcttg aaggttatgc 420

5 aggtgcaggc ctctacgaca gtgtaccaat ggacgaggaa gaccaagtcg tgctcgatta 480
 cacaacagat cctctgatca ctgacttgag cttccagaaa aagggttctct cagacattgc 540
 acgcgctgga gatgccattg agaaactcta tggaaactgca caggacattg aagggtgtgat 600
 cagagacggg aagctctatg tctgccagac acgaccacaa gtgtgatcaa attctctgac 660
 cactttotaa tgtgtacgtt acgttttctg tccagtaaan ncttattttg ctctataagc 720
 10 aaagagtata atacagcata agcatatagt ggattacaaa atgtgtagta ca 772

<210> 910

<211> 772

<212> DNA

15 <213> Arabidopsis thaliana

<400> 910

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 20 tccccactcc aaaacctgta cgacgcacgc cggctcgctcc tctcggccct ccaacgccgc 180
 ctagtcccgga cccacctccg cctaaaaaca cgactgagct cacaagtctt gtgggagtag 240
 cgctgatgat tcaagaccgt gtaaagatct ttctttcagt actaatttgg atctctctct 300
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 25 aactcctcta cactgttctg tatatataca gaggaaatat tcttccaagt aaagcaaatt 480
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 gcttagagct atagagatta ctctactgtg atgaaactaa agtagtttgc atttaagtca 600
 aaatgccaaa tcaatatcat tgtttattga aagctgtttc agattgtaaa tgactagatg 660
 tgtttggtgt gtgcttgatt cagccaaacg gtaaacgcga ccgtttcttt gatttgaatg 720
 30 tttgttgtat aaaatgggac tttagatatg ttatataact tgtttgggct tc 772

<210> 911

<211> 772

<212> DNA

35 <213> Arabidopsis thaliana

<400> 911

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 40 gcctgaacaa catgttaggc aaagaatctg ggtcagtagc taaataaaac tatgttttct 180
 ttagataatt tgtaacatat ctagtgtttt actgattgat atgaatttat tggggacaac 240
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 atgttttggg tgagagactt tcatcaccaa tgaatcaacc aaaggaagag aagactatgt 360
 caatctctat tgaaacaatg tgttgatgat gaagctgatg attgctaaat tgctgattgt 420
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 aagaaaaaga tggtagagtt ttaggttttg gatcagaaag attaacatca tgtgatttaa 600
 gaagtcttgt gtttgtgttt ataattgttc tgcaagaact tcttaagata tgattaagag 660
 ggaagatgat aaacttagag tgcaagcaaa acctgtataa ttgtgtttcc ctctgtttat 720
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<210> 912

<211> 772

<212> DNA

55 <213> Arabidopsis thaliana

5 <400> 912
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ctttaaagcc aaggagggaa gggcaacaca ctcaagagga actccagaag ataaatcttc 180
gtgatgagct tgaagagcgt gagaggagac atttctcatc aaaagacaaa tcatacaatg 240
10 atgatagaga tgcagaaga ggaagtcagc ttttactgga agactcgaaa agggatcctg 300
aagagcggat tattcctcgc agtgtagatg ctgatgattc tgatgttgat atcaaaaagtg 360
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cggaactcga ccagataaag aaagaaagag tggaagagag gctcaggaag gaaaaagagc 480
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aggcacgtgg tgaaatgaaa gctcctaagc gcttcatcaa tgatacaatc aggaatgact 660
tccacagaaa attcctgcat agatacatga agtgattgtt tgtcaagagt gttattgcta 720
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20 <210> 913
<211> 771
<212> DNA
<213> Arabidopsis thaliana

25 <400> 913
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acatcctctc ctgatcaaca attccactgt cgacctctcc acttataatg taaggatatt 180
tagtccgtcc aagttcgttt atcaagtctc aactcttttt caggctctgt gatctacgcg 240
30 tccctctcgc taggctcggg acccggtttt ccttcttttt tccaagcagt tcgcttcggg 300
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attttagggg ttatcatctc ctgtttcttg ctgctttggg gtcttttacg agccagttat 480
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35 gatatgtacg ggttcagggt tgggtcaggc cttggttctc tcagagggtt gctctggcct 600
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40 <210> 914
<211> 771
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G

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gacgaactac ggtgcgattc cgacgtcgtc tcatgcatct ccgttggtgg atgtcgagtc 120
tctctcacgc gctaaacacc gtatcaaagc cgggctagcc acgcgccgtg cttggagagt 180
gatgttcgat ttccactcca tgggactgcc tcacggtgtc tccgatgcgt tcacaagaat 240
55 caagaccaat cttgcttact tccgtatgaa ctacgcaatc gttgtcttga tcgttatctt 300
cttcagcttg atctggcatc cgacatcgct catcgtcttc accgtcttgg tcgttggttg 360

5 gatctttctg tattttctcc gtgatgagcc tatcaagctg ttccggtttc agatcgatga 420
 tcggacgggc ttgattgttt tatcgggtgtt aaccgctcgtt ttactcctgt tgaccaacgc 480
 gacgtttaat attgttggag cgcttgtgac cggagctgtg ttggttttga tccattcggg 540
 ggtaggaag acggaggatc ttttcttggg tgaagaagcn nngacgactg agacttctgg 600
 gctgacgtca taccgctcga cttaaatcgt ttcactctga aatttgtgta tcttttctat 660
 10 ttttgtatat tatcttgttt ttttaattat gcgtaatcaa tttttattgg tgtgagtttg 720
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<210> 915

<211> 771

15 <212> DNA

<213> Arabidopsis thaliana

<400> 915

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 agagtaggga aagtcttatt tgacacagga agttcctata catacttccc taaccaggct 180
 tactcccaat tggtcacatc acttcaagaa gtttctgggt tagaactaac acgcgatgat 240
 tcagacgaaa cactgcctat ctgctggcga gccaaaacta acttcccgtt tagttccttg 300
 tcggatgtta agaagttctt cagaccaata actctgcaaa tagggagcaa atgggtgatc 360
 25 atatcaagaa aacttttgat tcaacccgag gattacttga tcatcagcaa caaaggaaat 420
 gtctgtcttg ggatattaga tggaaagcag gtccatgatg gttccactat tattcttggg 480
 gatctctcga tgcgtggaca cttgatcgtg tacgacaatg tgaaacggag aatcggatgg 540
 atgaaatcag attgcgtccg gcctcgtgag attgatcaca atgtacctt ctttcaaggc 600
 tgaaggagcc ataattctta catatgtgat atgtgtataa ttaacctgac acatacacgc 660
 30 ttgtataata gtactcgtga ttacatattg tgtaacataa attgtaaaag actaatcaag 720
 tttgatctg taacatatca atgcaatcat attaataata aaaaaaaaaa a 771

<210> 916

<211> 771

35 <212> DNA

<213> Arabidopsis thaliana

<400> 916

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 cttattacta tacaattact tcaaagacca tcacgaattc cgatctttac ccaaattaca 180
 cacttgatta aggataaagc taatttgtgc caaatccata aattttaaaat ttaccccggt 240
 ctgtttttca ttaactaact taactacacc cgtttggagc aaacccgacc cgcccacccg 300
 caccatcata cacaacttct agcgtttgct gctgaacgtt tccaaagatg gcagcggtac 360
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 tccctttcga accaagctcc acgacggcgc caccgctgaa agagaacgcc actttcggga 480
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 tggtcggata ctttgacatc ttcgccttga acgagcttct taacgcgcgc taggctttcg 600
 gcgggagacg agtgataacg gtgcccgaat cgattaaagc tcccggagta gagaatacag 660
 50 ttgaaggaat cggcaatttc tgaccgccga cgggtgattgc gacgatatta aggccgtaga 720
 aggaagttcc atcagtgatg gttgaaattg gtgtgaattt aacggatctg g 771

<210> 917

<211> 771

55 <212> DNA

<213> Arabidopsis thaliana

5
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 gagcctgaca aaaaaccgca agctggaccg acacagagag actaatatac accataatac 180
 10 aaatattaac atacgaaatt taacactaat ccatatttaa ttaattactc ttgggccagt 240
 catgcaattt cacaaaaact ccattgcaag cggctgaatt tcctattttg cccctaagct 300
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 gcgtcgactg aggagtgaag aggtttatat tcaccgaaat cgctccgat gtgagatccg 660
 ttatgacgta ggttagggaa gttaagccgg gcgaaatcgc cgcgcagctt gtacgcgcgc 720
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 <211> 771
 <212> DNA
 <213> Arabidopsis thaliana

25
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 gaatgtttta gaaaagaaat taagcttcgg tgaagcttg gggcttgtag gcaatgaaac 180
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 gaaggtagtc aacttcctta gccaatcga cgtcactaag gtcagggagg taagatagag 480
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 cggaggagag catagaggaa gccattacta cttcttggtg tttctcttct tctttaccaa 720
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 <212> DNA
 <213> Arabidopsis thaliana

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 <220>
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 <222> (1)...(770)
 <223> n = A,T,C or G

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 gggttgatgata ggattcatca taggtatgat attggattta tcacagcaag tgacctcccc 180
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5 gggcaaaatt gcgtcacagt gtgcacatgc tgccaccggc atgtatgcag agttgatgca 360
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<210> 920

15 <211> 769

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

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<223> n = A,T,C or G

<400> 920

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 ccgttcaccg gatttntgtg cgccgagctc agcctgattg gtcctctttt gttcctggtg 300
 30 cgtcttattg ggccctcct cctggatctg gatctcagtc tcatggaatc gctcagctcg 360
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 35 aagagcaagt gaaaagacgt gaaatagaac gaccatattt ctatacctga taccaaaatg 660
 tggaatatcg aataagacta gtgtttagg cttgtgtagc atgtcccgt gtttctcttt 720
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<210> 921

40 <211> 768

<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

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 atcatctggc tctgttacta ttgataacag tactgctctt gagaatgtgt ataggctcaa 240
 tgttgagggg aatgatatct cgccttcgcg ggatacgggt ttgtataggt cgtgggatga 300
 55 tgatcagcct tatatatattg gtgcaggact tggattacca gagactgctg atcccaacat 360
 gacgattaag tatectacgg ggactcctac ttatgttgct cctgtnnatg tttattcaac 420

5	cgcgaggnc	atgggtccaa	cagctcagat	caatctcaac	tacaatctta	cttggatttt	480
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	tgaagctgat	gtgattgctt	ggactagttc	aaacgggggt	ccgtttcaca	aggattacgt	660
	ggtgaatcct	ccagagggaa	atggacagca	agatttgtgg	cttgctcttc	atcctaaccc	720
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<210> 922

<211> 768

<212> DNA

15 <213> Arabidopsis thaliana

<220>

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<222> (1)...(768)

20 <223> n = A,T,C or G

<400> 922

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25	actaccatag	gggggctnnn	gacttttagc	aattttaga	agacaaaaaa	cgggagagag	180
	agagagaaga	atctgaaaaa	caaaaataca	acaaaagttt	ggggggcaat	aacaaatagt	240
	aatacatgtt	tttggttaaag	aagagcattg	atagagagaa	agatttactt	cttctaaggt	300
	ttataaaaaga	gtgttttttg	agtccatgta	atcaaatacca	gtcttcttgg	aagaagctta	360
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30	cccacacaac	acctcctttt	tacctctgca	aagccaacag	agtgcaccag	ctttaaactg	480
	accattgaaa	tgatcaatca	aattcacacc	acctcctttg	cattgagaac	atgccacaca	540
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	gtttgcgggc	ttaaacttcaa	aactttggga	tcttgaagtc	tgaagcagtt	ctctctcttg	660
	taccaaggaa	gagggtgttat	catttagttga	gaagaagtga	gaagggttag	ggtttttgct	720
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<210> 923

<211> 768

<212> DNA

40 <213> Arabidopsis thaliana

<400> 923

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45	atgattgcaa	gctgaaatth	atggaactga	aggcgaaaaag	aacattccgt	accatagtct	180
	acaagattga	ggataagcaa	gtgattgtag	agaaactcgg	tgaacctgaa	caatcatatg	240
	atgactttgc	agctagtctt	ccagctgatg	attgccgata	ttgcatttac	gatttcgact	300
	ttgtcactgc	ggagaactgc	cagaagagca	agatcttctt	cattgcatgg	tctccggaca	360
	ctgccaaaagt	agagacaag	atgatttacg	cgagctctaa	agataggttc	aagagagaac	420
50	tagatggaat	tcaagtggaa	cttcaagcta	ctgatccaac	agaaatgggt	cttgatgttt	480
	tcaaaagccg	caccaactaa	gtaaaacaaa	acctgtgaag	ggcatttgaa	taagtttggt	540
	ttctggagtg	aatatgtttc	ctctgactgt	tatgaaaact	ttttaacacc	ttcaacttca	600
	ttctacttgg	tattattgta	tgtctttgat	gtgttatgtg	tgccttgtga	tggttttcaa	660
	ttagtthttac	atgtacaata	cttgaaatca	gattgttgct	aggcttcaag	ccttgtctca	720
55	gttatctatc	tgataattta	ttcgtatatg	tttgagagtc	taaaaaaa		768

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 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
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 <223> n = A,T,C or G

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 cttttacaga tactaatcaa tatectatga cggttaagac tccaggagtg ttgatttttc 180
 gtgtcaagtc tgcattgttg tgctttgcca atgccagttc aattgaggaa aggattatgg 240
 20 gatgggtcga tgaggaagaa gaagaagaaa acacaaagag caatgccaag agaaagatcc 300
 tctttgtagt ccttgatatg tcaaatttga tcaacgtcga tacatcgggg attactgctt 360
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 aatggcaagt aatccacaag ctgaatcaag caaagttcgt cgacagaatc ggtggcaaag 480
 tttacttgac gatcggcgaa gctcttgatg cttgctttgg attaaaagtt taagnnncag 540
 25 tnnncaaagg accagttgtg ttacgggtta ttgcatgtga tgaatttatg tgagttgttg 600
 tgatttnaat aatgtgatgc atgcatgatc atgtataata tttaagtacg tatgtgtaat 660
 agagtgtctg gtcgtgactg aataaagtca tgcaactat aatgnnncga tcgatatggg 720
 tgtgtttgta actcgataga tttggaaaca atgtataata tatgtaag 768

30 <210> 925
 <211> 768
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 925
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 gctcttaggg cttctcttgg cttttgactt gaagggata gaagcagaaa gtcttaccaa 180
 acagaaactg gactcgaaga tacttcagga tgagattgtg aagaaagtca acgaaaaccc 240
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 45 agtaaatgat ctcttagctt gttgtggatt ccgttgtggt gatggttgtg acggtggcta 600
 tccaattgct gcttggcaat acttttcgta tagcgtgtgt gtcacagaag agtgtgatcc 660
 atactttgat aataccgat gctctcaccg gggttgcgaa ccggcatatc ctacaccgaa 720
 atgttcgagg aaatgcgtta gcgacaacaa actatggagc gagtcgaa 768

50 <210> 926
 <211> 768
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 926

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 ctatggctaa cactgcctgc tttatcattg tgggcccggaa tgatattccc atctatgaag 180
 ctgaagtgg atctgctgct aaaagagaag atgctgcaca gttgcaccaa tttatattac 240
 atgcagcgtt agatgttgtc caagacctag catggactac aagtgccatg ttcttgaagt 300
 10 cagtggacag gttaacgat ctggttgtgt cagtatatgt taccgcaggc catacccgac 360
 tgatgctcct tcatgattca cggaatgagg acggcatcaa gagcttcttt caagaggtgc 420
 atgagcttta tataaagatt cttctgaatc ccttgtatct tcttggttct cggataacgt 480
 cgtcacattt tgacacaaa gtacgtgcac ttgcaagaaa gtacctgtag agaagacgga 540
 gattctgttt gcatttgggtg atcaaatttt tcttgtaccc atatcgcata gttcccaagt 600
 15 caattgtttc tgttttcttt ttgagtgcct ggatttctgt tatttctaac ttgcaagcaa 660
 cattttaata agaatgggat tcttgtttta gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 768

<210> 927
 20 <211> 767
 <212> DNA
 <213> Arabidopsis thaliana

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 tctcttttta agagaagtgt gtgccattac acaatataac taagcacaac aagatgagct 180
 cactgcccta tccatggccc tgtctggcag aaccattcct gttgggtttt ctggtggctg 240
 tactcgcggt agccttcttg cgatttcata gaatatctct ttgacattag tagcggtttt 300
 30 tgctgaagtt tccatgaaga aaagaccgtt ttcctgagca tatgtttgtg catcctctgc 360
 tgtcaccttc cttgcatcta ataaatcaga tttgtttcca gcaagggcca tgaccatatt 420
 agggttacct tgtgcctgca gttcctgaac ccatttcttt gccctctcaa acgaagcctg 480
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 actatggtac cgttcctgac ccgctgtatc ccaaattctca aacttcacag tggcatcggt 600
 35 cacagctaac gtttgtgaga aaaaagcagc accaatgggt gattcctgga attcaacaaa 660
 ctgatctttg acaaacgcta acacaagact tgattttcca gcaccaacat ctccaagcaa 720
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<210> 928
 40 <211> 767
 <212> DNA
 <213> Arabidopsis thaliana

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 atcattatct gacaccagta gaagctaaaa gccaccacat caggaggaag agaaggtatc 180
 gataatgggt gtgtgaagtg ggtcactaag gtgagtcgcc cagttgttga gcggtccttt 240
 accggttgca gccgcctgaa ccgcaaaacc caagaatcca accatggcta aacgagcatg 300
 50 tttgatctca gctagctgaa gctgagcctt cttcaccggg tcagacgcta gtcctaacgg 360
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 gaactcaatg tagccgatca ctaacacttc gatccatctc aatgtcgaga tagagaacgg 480
 caatggctgt cctaagtaag atgatccatc cactagctct accttgccgg cgtcttgcca 540
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 55 accgtgaatc agctcacatt ctctgaatct ttgtagcccg aagacttcac tatatggctg 660

5 aaacggcgctc gatttgggggt ccaccgcctc ggtacgagtc ccgatcactt ctccgtataa 720
gttcttgggt aagttctgggt ccaaggaatc caaatcgaat tggagat 767

<210> 929
<211> 767

10 <212> DNA
<213> Arabidopsis thaliana

<400> 929

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gaaagaagaa ggctgttcac aagaccacta caaccgatga caagaggctc cagagcactc 180
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atgtagtcat tcagttcatt aaccctaaag ttcaagcttc aattgctgct aacacatggg 300
ttgtgagtgg tacaccacag acgaaaaaat tgcaagacat tcttcctcag attatcagcc 360
20 aacttggacc agataacttg gacaacctga agaagctagc agagcaattc cagaaacaag 420
ctccaggtgc aggtgatgtc ccagcaacaa tccaagaaga ggacgatgat gatgatgtcc 480
cagatcttgt agtgggagag actttcgaga cccctgctac tgaagaggct cccaaagctg 540
ctgcttctta gaggaggagg aagaagaagg agaagagctc acctgcaaaa cccatcataa 600
aaatgtttgt cgctcgacct cttctgagca ctgtcagatt cttgttttct ctaatgcttg 660
25 cgaacagaaa gacttggttt tattatcact tgatgctttt tgggccgaac agcaattttc 720
cttttattaa ggtagatcg ctttttggtt aaaaaaaaaa aaaaaaa 767

<210> 930
<211> 767

30 <212> DNA
<213> Arabidopsis thaliana

<400> 930

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tctacggagt acaaacggaa tgaaacagaa gctattataa catggtttcc ttcctcactt 120
gctcttgtgt tccttcgtgt tactagttag gggtttctct ggcgggtcgca caatgagaat 180
tggaacattt gcatgttggg cacagtagtc acttacactc cctaaaaatg cctttttgat 240
catgccgagt ccacggctac caacaacaag aagatcaaca tgtgtttgct cgacggcttg 300
gcatatcatc tccttaggat ctctttccaa tatcatagtc tctgtcttca ccattttgcc 360
40 tcggcatatc tccaatgccc gtgtgaataa gtttgtcgta ctctcttctc gtgctttcct 420
cattggttcg ggactgaat ctgtcgcata caccgccgaa gcagttccac cagaaggata 480
gatataattga aggtacgttg ggtgaacatg aagcaacgta agtaaaccgc cttcttgacc 540
ggtttccggg tcggcactaa taacaactct gagatgatcc acagcccatt ccaacgcac 600
gaagctgttc ttgctctcat caatcgcaac catcactttc aacttcttct tgttcttatt 660
45 tgcagccgtc tccgccgtcg ttgttgtggc tgccgtgtcc tctccaatcg catcaacgta 720
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<210> 931
<211> 767

50 <212> DNA
<213> Arabidopsis thaliana

<400> 931

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ttcttaaatt tgcattgacc acatagaaat gggttccaga ataataacg ctgaatatcc 180

5 cagaaagggg attaagcttc ggtgaagctt gggggcttgt aggcaatgaa actgatgcat 240
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 acaaatccgt gtcaccaactc gaattcaaca caaggaatcc acttgttgcg gagaaggtag 480
 10 tcaacttcct tagccaattc aacgtcacta aggtcaggga ggtaagatag agtctcaaac 540
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 atggaagtaa tgcgttgtt ggccttgccg gtgaccggga aagaagcgga tgacttcaag 660
 ccggtgaatg gagcgaccat ggtggcttga gccggggagg taaccacagc ggtggaggag 720
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15
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 <212> DNA
 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 ataaaaataa acaacattaa gattgtactg aaaatgacaa tgctgttgaa tctgcacctt 180
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 35 agcagcttcc cgtttactct ggttccgtca tctgaatcca caacaccagc aacatcattc 540
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 gtctcagctg cgggaaaaga agcaaacaat tccaacgcat tcttggtctg agccactgct 720
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40
 <210> 933
 <211> 766
 <212> DNA
 <213> Arabidopsis thaliana

45
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 cggggggaaa taaccagcaa aataaaaagct ttcttataac ttgatgttg agatagattt 180
 50 cagcaaatgt aatgttattt ggatgaaaga gatcttttca gttttcacc cccaatttat 240
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 ttactcttcc agtgcttagc aatgttctca gaaagcggat catctgggtt tgggtgactc 360
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 aaaactctc cttcataagg tgatttgtta ggaccaagaa tcataacgtt gaaataccgc 600

5 atattatcct cagatggaga ggcacttata cggggagccg gttcactgag cagacgttga 660
gtttccttga tgattcttcg cggcaaatga ctggttgcca ttatcacttg tcgatcgagc 720
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10 <211> 766
<212> DNA
<213> Arabidopsis thaliana

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20 gtcattcaag gcaccatttg cgccggattt atctctcccg ccaacaaagt ttacttgaag 360
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tccttttagca ttttgagttt gtttcttcta atgatttggt ttttctttat gagttgttat 720
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<210> 935
30 <211> 766
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<213> Arabidopsis thaliana

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aaaattccac tatactctga ttattgtttt actatgccaa atcaaatcac ctatattaaa 180
aaccaaacga ataaaaaaag ccccacctat atatatacat cttaccaaac tagagttttt 240
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40 ctttaacattt atacaatctt ggtctactca agaaatccag tttgcttcaa tattgcattc 360
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<210> 936
50 <211> 766
<212> DNA
<213> Arabidopsis thaliana

<400> 936
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ataaacttca acagtgatac aaggaagaaa acaaaatctg aatagataaa aaccaaaca 120

5	agagttaa	ac	caaaagata	g	atgctgattt	tcttcagta	c	ttgatcgat	g	caagaacat	c	180
	gagctggg	at	ccaagttt	ct	cctctgcaac	cttctcggc	c	tttgccctga	g	gcttggtgag		240
	ttgcttct	ta	cgctcata	ca	aagcttgtga	cctctcctt	c	ctcttcacct	ca	agctcctt		300
	gatggtat	cg	taatggtt	cc	agccaacttc	agaagacaaa	c	gtcccaaca	ag	cagtactt		360
	gtgaccag	cc	tgaagcct	ca	acaccttgag	agcatcagga	a	tgaccattc	t	cttgacctt		420
10	gtcataag	ga	ggtggtact	c	cctcaaacac	cttcaaacgt	g	caagagcag	c	agcaccacg		480
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	aacactct	gt	ccattgagca	a	ctcttttagc	tatgatcgaa	g	caagacgac	c	acacatatg		720
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<210> 937

<211> 766

<212> DNA

20 <213> *Arabidopsis thaliana*

<400> 937

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	ttctcggaa	t	ccaaactcaa	a	aaaatcaaaa	ataaaattac	aaagtctaaa	tcaccataaa	300
	aacaaacaga	tt	ccactactaa	g	gaaaaacaaa	accaacaaaa	ccaggactct	ctttaccaca	360
	aacggcggt	g	aacaaacaaa	c	accccgcg	cccaaatgat	gatggtcata	agaagaagaa	420
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	tctgcccagg	tt	cgaacggc	c	gagaactggt	gctgcacata	aaagggacaa	aaacaagcag	540
	caaaatccaa	ag	acgaaaaaa	t	ttagaaatt	gtagatttag	atctgaaatt	ttagatctga	600
	aaccgttgg	a	aaaaaaaaag	g	ttcagatct	gtcagagagg	aaggaaaaaca	aaaactaaac	660
	atgaagaaac	ca	agaaatatt	c	ggttctggt	gctgaaaaaag	tcactgggac	cgaaacccta	720
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<210> 938

<211> 765

<212> DNA

40 <213> *Arabidopsis thaliana*

<400> 938

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45	tacatact	ttt	gcatagtatt	t	tttattcaaa	acatcttcaa	agtttggagt	t	tggtttgat	180
	cactgaaat	c	gaactggaag	a	aagtttttagt	ggtactttct	tgacgattgt	a	agagtgcc	240
	acttcttc	ag	tatcgatata	c	tttatgtgtc	atcccatcag	gcaacttcca	g	tcgaagaag	300
	taaagtaag	t	caagagtcc	c	caattctaca	gtagccatac	ccatcgatat	c	ccgggacat	360
	atccttcg	tc	cagacccaaa	c	cggtaaagac	tcgaaatgtt	gtccctata	a	atccacagga	420
50	ctattgata	aa	atctctcggg	g	gttaaaactct	tcgggttag	tcagagttt	t	tggtatctct	480
	cctatcgccc	a	agcggtgac	c	caagatccgt	ctcttgggag	gaatatcata	g	gccttgaacc	540
	ttgatgtgag	cc	attgttttc	c	cttggggaga	agaagaggaa	ctggatgggtg	t	aatctgaat	600
	gtttccttg	a	tcactaggtt	c	caagtaagga	actttattga	tatcttcttc	g	gtgattctc	660
	tctttatttc	t	gccaaggcg	g	gtctcggatc	tcgccttgaa	ctttcttcat	c	acttccggg	720
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10 <220>
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 tctgctacga ccacttcact ttcaggacac taaagggtcga tggttatgga atagactcct 180
 tgtcgagttt tttcatggct tatggatata aaattgggtg tggacttgat tttcccaaga 240
 20 agaaactacg agttcttttg ttttctccac ctgatgttca cgttcctaata gatgggtcacg 300
 gtctaggcaa cggccctttg ccgcgacttg ttatagctga ggttcttctg gacgaactaa 360
 gccctgaatc acaggggata ataaggaagt atttgaaaca agaagggtggc aagcaagcgg 420
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 agcttgccaa agaaagcgaa tttgcggcat ggacgcttat ccacgggtac acaatgaatc 540
 25 atcttgcttt tgcggttcat cgattcaaac atcgtttcag tgacatcaaa ttcgtcaaac 600
 agcgtcttga ggaaaaggga ttcaaactca acagtgcagg agaaatcctc aaagtgcagtc 660
 aagatgntct actatttcaa gtttcatcga tctcggaaaag gcttcgggtt ncatttgcag 720
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30 <210> 940
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35 <400> 940
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 ttgggttgagt ttatcagaac tggctcgcct agaaacagag aaaacgcagc tgctgttcta 240
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 ggtccattga tagatttagc tggaaatggg acggatagag ggaaacgaaa agcagcgcag 360
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 gaagaagaag ctgaaccaac acatccagaa tccaccacag aagctgcaga tacttaaaaga 480
 ttgtctttgt tttggatcct cgggtcatct ctttcacgta cgtatgttta ttattctcac 540
 45 tttttgtttg tgctactcat cctccctcga ggtaggattc acggtagacg cggaagaggg 600
 aaatggcctc cttctccgat ctacttttaa ctttatgggtg atatctttgt gtggacagag 660
 caatctggtc cacaggagag aaaagcaaat atgcatacat acacgtcaac ttgtatcatt 720
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50 <210> 941
 <211> 764
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 941

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	tttggcctct	ccagagaaga	aatggtagac	aaacatgcag	ctaacatcag	aggaacattt	240
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10	ggcttcggag	ttttgctttt	cgagcttata	gcaggaagaa	atcctcaaca	aggtctaattg	360
	gaattgggtg	agctggcggc	tatgaatgca	gaggaaaaag	tcggatggga	agagatagta	420
	gattcaagat	tagatgggag	atatgattta	caagaagtga	atgaagtagc	agcttttgct	480
	tacaaatgca	tctctcgtgc	acctagaaaa	cgtcctaaca	tgagggacat	tgttcagggt	540
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	aacggatcat	tacgatcaga	aattcatcgg	agggataatt	ccttggacag	tagtatagct	720
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<210> 942

20 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 942

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	tttcaacaac	aacaaaaaaa	agtagtctaa	cccaagtgcc	accacaaatt	gtctgtgttt	180
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30	aaaggtctcg	aaatactgg	atatgatcgt	gaccgccaac	agaattccgg	ttcccgaacc	360
	gatggctccc	atgaaatcag	ccaaaacggt	aagtgcaccg	atacaaaactc	ctccaaaagc	420
	tgctgtgtgt	gggatgtatc	tgttcagttc	cttctgtaag	tttgattctc	tggtctctgg	480
	catcaccatt	tgttgttcct	ttagctgctt	agctacatcc	ctagcagaag	atccagagac	540
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35	tgcattggaac	gggtgagctg	ccatgtcaga	gaaacttgct	ggagctgtga	tgaggtaagc	660
	cagaccacta	actggaatag	attgtccact	gtactcagat	tctttccatt	gtcccaaaag	720
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<210> 943

40 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 943

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	ttttgataga	ccagaaattc	cgagcaaagg	tagcagattt	cgggttaaca	aaactgacag	180
	aagtgtggag	ttcagcaact	cggggtgcaa	tgggtacatt	tggttacatg	gcaccagaga	240
	ctgttttatgg	agaagtgtct	gcaaaagtag	atgtatatgc	atttgagatt	gtcctttacg	300
50	aattgatttc	tgcgaaaagg	gcggttgctc	aaatgacaga	agccgttggt	gaatttagag	360
	gccttggttg	tgtgttcgaa	gaatcattca	aggaaaccga	caaagaagaa	gcactacgca	420
	agattataga	cccagggtc	ggtgatagtt	accggttga	ttcggtatac	aagatggcgg	480
	aattagggaa	agcatgtaca	caagagaatg	cgcagctacg	tccgagtatg	agatacattg	540
	tggttgcttt	atccactctc	ttttcgtcta	cgggaaattg	ggatgttgga	aacttccaaa	600
55	acgaagattt	agtcagtctt	atgtccggcc	ggtagactcg	ttttccggtt	tgctgttggt	660

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<210> 944

<211> 764

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 944

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	caccgacgac	agcgcaannn	ngcgannnnng	cgacagtgga	gaaagcagaa	atgagcgagg	180
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	cgtcggcggc	agaagacgga	gacaaggcct	ctgcttcggc	ggagtaggtg	ccgacggaga	300
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	acaagaacaa	gagggagtca	ccgatcttga	aagagtgaga	tttgggccat	ttggaataga	540
	cttttagcatc	aattgggatg	ccccaagcgt	ccaagtcccc	aactttgtat	agagtcgacg	600
	acactttacc	aatctcttgt	cccaacaata	tcatacctg	taataccaca	ccaccatcat	660
30	cgataccttc	tcctcatctt	aaaatcatta	tcatgtgaga	ttctatttgt	aacttatgta	720
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<210> 945

<211> 763

35 <212> DNA

<213> Arabidopsis thaliana

<400> 945

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	taagattgct	aagtaatatg	cgaattgaga	gaggaaatat	gatcaatgtg	ggaaaggata	180
	gtccaaaacg	ttgtccatga	cttcaaactg	catatccttc	gatggccggt	tcctctggtt	240
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45	atgcatcatc	agcaattcta	gccaacaatc	gatttgtctt	ctcggcctct	tgatcaaact	420
	cttctattct	ttgttctaca	tgatcgttta	gtgatgcaaa	tcctgaaaat	atcgtctgtt	480
	gcttaagttc	tgatacgagt	ttcaaaaagag	aatcagctgc	ttgaaccatt	ctagaagctc	540
	gcattctccat	catgtatgtc	tcctgcgagt	tcttcaccgg	cggatcactc	acccttgaaa	600
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50	acaacgcctt	ttgcttctgt	aaagccgcgg	cggcggcggc	ggccggttga	ccgcttcctc	720
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<210> 946

<211> 763

55 <212> DNA

<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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15 tggagtttcc tcgtgatttt ctagggattt cacttgcgga tcagccgaat aagtactatt 240
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gcattgtcat ggaggtggag tatcttccta tatcatcaat ggaaaaggca caaaagggtga 480
20 tggaggagtt cttggagata tggaaatgaag ctctggctaa aaggctcgtt cggggtaat 540
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45 tagccaataa aaaccttgcc tgtgatccat gttgatcaca cacaactaat ctcgggactg 540
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catggaagac aacaacacta aaatatgcat ctaatnnnag aatctnnna gctgcaatgg 720
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50

<210> 948
<211> 763
<212> DNA
<213> Arabidopsis thaliana

55

<400> 948

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	atgtcacgaa	agacgttgca	gaggagaaaa	ttcaaaaccc	acctccggag	caaatttccg	180
	atgactccaa	agcccttact	gttggtgaga	aacctgtaga	agagcctgca	cggcgaaaac	240
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	ttgtaactgt	aaagtgtaat	caaatttctc	tgttctcttt	aatggcttgt	aatgttgttt	720
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<213> Arabidopsis thaliana

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	aaatgtccct	ttgcctttgt	gtaataaatg	atcgctacaa	caattgtacc	tctactatga	720
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40 <211> 762

<212> DNA

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<220>

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15 <213> Arabidopsis thaliana

<400> 951

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<211> 762

<212> DNA

35 <213> Arabidopsis thaliana

<400> 952

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	ttaaaaaattt	ggcatctgct	ctccaggctt	tatatTTTTT	tgtttttttt	tgttttgcca	660
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10	cgctttgtcg	gcagatggta	ctggaatatt	catagctggg	cttaaagtgg	gctaattggaa	660
	caggaaaagc	gtgagaagg	tgatacacta	ttcaaaatga	taagaattct	gcacatacag	720
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<210> 968

15 <211> 759

<212> DNA

<213> *Arabidopsis thaliana*

<400> 968

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	gcaaatacagc	cgtttctgct	tctgacttct	tctactccgg	tttaggtggc	cccttagaca	180
	cgtcaaacc	taacggagta	accgttgctc	ccgccaacgt	cttaaccttc	ccgggtctaa	240
	acactttagg	aatctcgatg	aataacgttg	agctagctcc	aggaggtgta	aatccgcctc	300
25	acttgacccc	gcgtgcaacc	gaagtaggaa	ctgtgatcga	aggctcgggtg	tttgtcggat	360
	tcttgagtac	caacaacact	ttgttctcaa	aagttttgaa	tgcaggagag	gcgtttgtta	420
	tccctagagg	attggttcat	ttccaatgga	acgttgacca	agtgaagcgc	cgaatgataa	480
	ccgcttttta	cagccagctc	ccaggagcag	ttgttttgcc	tagtactctg	ttcgggtcga	540
	aacctgagat	tccaaacgca	gtcctgacca	gagcgtttag	gactgatgat	acaactgtgc	600
30	agaatctcaa	gtccaagttt	gctgtttgaa	tctttttatt	tatgttttct	aaaataatct	660
	ttcacaataa	gctttatagc	aatattggta	tacacttgct	tctgtaataa	tcgggtatgaa	720
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<210> 969

35 <211> 759

<212> DNA

<213> *Arabidopsis thaliana*

<400> 969

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	tttgagagtga	aaatccaaga	ggaagatcca	ataagtaagt	aaggaaagaa	ttatgggtttt	180
	tcacgggtgt	ttagagatga	tcacagatgg	cttttgtgaa	atctgttgta	gttgaggaac	240
	ctccgagatc	agcagttcta	tactttccct	cggctattgt	gttgatgatg	gcactgtgga	300
45	tttgcctctgc	ttgtttgttg	agcttcagg	gccgcaacat	catcactcca	ctcagtagca	360
	aagctgttgg	gttcgccagg	ttcattccag	caatatcagg	tgcagagccg	tgaacagctt	420
	cagcaagggc	aataccatcc	tccccaatat	tcatactagg	agtcagtcct	agtcccccaa	480
	caagtccagc	acacaaatcg	ctgataatat	ctccatagag	atttggcatc	accaagacat	540
	caaaaagtgc	tgggtttttc	acaagcatca	tacagcaatt	gtcaataaca	accttctcgt	600
50	aatatatctc	aggatacttc	gcagcaactt	catcacaaca	ctgcaggaaa	agaccatcag	660
	ttttctgcat	aatgttggct	ttgtgaattg	cagaaacttt	cttccttccg	tgagtcttgg	720
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<210> 970

55 <211> 759

<212> DNA

5 <213> Arabidopsis thaliana

<400> 970

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10 aacccacccc gtgtttgtat ctagtaaagc caaatgaaat ccttagtagt ttggttatgg      180
ctgacttgtg ttttagcttct aatcttctgg tctcacacc aaatccttct tacctcattc      240
atTTTTTTTT gcagcagcga cagaatcaca caagtctagc tttctcaagg tttccatggg      300
gctggtggag gtggtggagt agggaacaaa ggaggaacag ctgagaaaaat agtggttttg      360
tctatcttac cgggtggcttc ttcttcaccc gataatgcc caagagctgc gactagacca      420
15 gcattgcctg caagagtcgg ttcagtgtag ttgtagttca tacggacatc acggtaccgc      480
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ctgtctctcc atttccatcc tctttgcag ttatacttga ctttgttctt ggggtatcgaa      600
gtcctctgt gatgcacatg tcttgggtat tttgtgccaa aaccaacgac ataactcatt      660
ttccgagggg ttttaccag tatataatca atctgggatc tagcaaagtc acgtagcaca      720
20 cttgtcgaat agaaattagg tccacagtac ctcggccgc      759
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<210> 971

<211> 759

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(759)

30 <223> n = A,T,C or G

<400> 971

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35 taaacccaag ccggtcccaa gtcccaaacc caagccggtc ccaagtcctt cagtaccaag      180
tccttcgggc ccaagtecta accctaggcc ggtcacgcct ccgagaaccc ctggctcatc      240
tggaactgt cctatcgatg ctctcagact cgggtgatgt gcgaacgttt taagcagtct      300
actcaacatt caattgggtc agccatcagc tcaaccatgt tgctcgctca tccaagggtt      360
ggttgacctc gacgtgcc a tttgtctttg cactgcgctt agggctaacg ttcttgggtat      420
40 caaccttaac gtcccgatat ctctcagtgt tcttctcaac gtttgtaaca gaaagggtcc      480
gtctggcttc caatgtgctt gaaggatatc agctatgcat acgatgtgat gcccggtgcac      540
aaatatcttc ttcgaaattg ttacagtatg aataaatgca tgtaagctat agagtttatg      600
tttttaaattt tgaatttgtt aaagtgaaat aaccaatgtg tgagagttag actttcttag      660
tttttttttt ccgtcaacgt tcctgtattc cggctctgtg tgcttttgta gcaatctatt      720
45 actattttca acccgtttaa taaaagagat tttgtacct      759
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<210> 972

<211> 759

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(759)

55 <223> n = A,T,C or G

5 <400> 972
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ccagcagatc aagttcttag aggtcttgag ggaagcttcg ctttcgttgt ctacgatact 180
caaacttcct ctgttttctc agctctgagt tctgatggag gagagagtct ttactgggga 240
10 atttctggag acggatctgt tgtaatgtct gatgatattc agatcataaa gcaaggctgt 300
gctaaatcgt ttgctccttt ccctaattggt aaaccaaacc ttaagttttt cattagccct 360
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nnnnnnatgt atgtatcata gtgagacagg gcttaagagc tttgaccatc cgactaatat 480
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15 tgatgcttgt tctaagatca atagtatccc tagaagagga agtgaagcta actgggcgct 600
ggctaattct cgttgatttt gcttctagtt tcgttaactc ttgcttcttt gttgcgtttt 660
ctttttatgt actcttgttt atgtaaatat agccttatga agacgataaa gaaataaaat 720
tgatttgctt caaaaaaaaa aaaaaaaaa aaaaaaaaa 759

20 <210> 973
<211> 758
<212> DNA
<213> Arabidopsis thaliana

25 <400> 973
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taaagtacc gatggcgcca gaagttggat tataccttga tgaatgcttc ttcacgtctt 180
acaacaaaag gtttaaaggc agtcatgagg aggtgtcaat ggaagagtac aaggaagtag 240
30 ctgaagagtt caaatggaag tatgtttatt cacatattgg ctctgctgaa gaaaaagatg 300
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atatccatga aggcaatgct gagctattcg ttgtcgataa ggtgaatgat gaaacctctg 480
aaggaacgac tatggaagag aggaccacac tagaggagaa ggcaacaggg tgaagccgct 540
35 tttatctact gcggatcaca ggattaaggt ggaagcatca agcttcaccc gcaggtccaa 600
actggactag tgagccagat gagtaccatt tggacatttg tttcagtggtg tctttttgag 660
ttttgtctct catgacaaaa ttttggaaac tcaagtaatg aatgtgttac cattgtgaca 720
ttttgatctt attataatgt tatcgaataa gtattggc 758

40 <210> 974
<211> 758
<212> DNA
<213> Arabidopsis thaliana

45 <400> 974
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tcggtgaact ttgtgccatg gcttatgtgc catgtttctt ttgggttgaa tagtttccat 180
gataaaggag atgatgttgt cgatttgata gcttcttctc gtttagttgt ggattctctt 240
50 tatgtttttg ttgaataaac ggtttacaac aacaaatcaa tgatgggttac gactaagaag 300
ttgaaaagaa gattggatcc ttgcaaattt ggattgcctg tagctgttat tacaagaaat 360
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gattttcgcc aaatttcatt gttgatgatt tggcaaacgg atgaggttga agattctgtt 480
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55 tcacaaaaaa aaattctgac gtcgatggag gtcaccggaa tcgaagacgt tgacggcaaa 600
ggatgatggg gaaagttacg cagctctcat gcaacacgtg tctttgttat ctatttgctg 660

5 gatattgtgt ttgcttgagt atatccttct ttttcttaga attgtaatcg tatgggcttt 720
atgggccttt ttgggattgt aaaccttgaa tattaata 758

<210> 975

<211> 758

10 <212> DNA

<213> Arabidopsis thaliana

<400> 975

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agaacacaaa ctttgaatct tgcaagaaac acaaatttga gtgacattca agattttttc 180
ttgatctgat gatcatcaag gattccagag gattgtagtc tctgcaatca tgggaagtgc 240
aatgtaagga tccatgttcg aagctggcct cctgtcctca aagtatcctt tcccttcttt 300
ctccgtatca cgtcctactc ggatcgatgc tccacgggtc gcaacacccc aaaggaaagt 360
20 gttgatgtca gcagtctcgt ggtgtcctgt gagacgacgc tcattgcctt caccgtaagc 420
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25 gacctggaac tcccactgac ccggcatgac ttctccattg atgccactaa tgttgatccc 720
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<210> 976

<211> 757

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(757)

<223> n = A,T,C or G

<400> 976

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gagtaatcat catcgagtgt ttattacgat tatgtcctta acgaaatctt cagaatcagt 180
tttactgaa gaagaagaag aagattcctt tagcggtcga tacacgttat ggatcaaaga 240
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45 cggaagaaat gggaaagttt ttcaaggacc taagactaat cgaagatcga tcatggagat 420
tcgtgaagcg attcgtgaag agagatcagt gcaagtgagc ttgttgaatt atcgtaaann 480
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gttgagaaat gtcagagatt tgcgtcgga tacttctccg acatttggtt cttgtcgaag 660
50 agaggtttgt tttggtaatt tcgtgtgtca ggatcgagct ttaccagtgg aatgtgatga 720
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<210> 977

<211> 757

55 <212> DNA

<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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tagccatcgt gacagctgag tctgccatga caagagaatc agatatagag atatgtggcc 180
15 aatgcttttg agcagcagtc aagacccctt gcacttctgg atccatatag aaatgagcaa 240
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ttaacacaag tgaaggaaat ggtcaaagg aaggaacttt accttccttc tccgctacta 420
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20 tctctccacc caacaaacca acattaagct cagctaaatc ctgagcttc aactccataa 540
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25

<210> 978
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30

<220>
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35

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50

<210> 979
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55

<220>

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5  <221> misc_feature
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    agacatgggc atcatggata gagagtacag ttgatccaaa caaaactcgg gttttgtttc      180
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    cccagacac  tgaaggaaga gacaaaagca tattctctga aatgatcaaa gaagtagtta      300
15  agaacatgac gattccggta tcaatattgg atgtaacttc gatgtcagcg tttagaagcg      360
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20  atttttgggtg aaagttaaaa atgattctta cttaattcat tcttttattg tttcttctac      660
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25  <211> 757
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    <213> Arabidopsis thaliana

   <220>
30  <221> misc_feature
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    <223> n = A,T,C or G

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    gtcttatgtc tagcatctct ggctttttta gtagtggttg ctggctcttg cccggcagcg      180
    ttgtttccat gagcgtcggt ggccggattt ggtttgtatc caacgttggt ttgtttttct      240
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45  acacgtaaga ttggttgagg ccacaatatc agttcttcat ctttaagcaa tgttcttgga      660
    ctcathtagt acttcaaatg ttcttgtaat ctccagtgtat gttgggcttt tgggtttttta      720
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5 <223> n = A,T,C or G

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tcaagagagg agatggtgaa agtaatctga atgtttcttg gatcacaaga ttcaagtact      720
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<210> 982

<211> 756

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(756)

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<400> 982

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35 gataaagaag ctttttgctac attacatgaa atgacatgag atgattttgc ttgtgacaaa      180
caagtctcta tcaaacattt tttctttcgg ttggttccact agtctcttca caatctcttt      240
ctttgtcttg tttcaatagg gtttcaatag ggtttcaata ggggtcccttg acttgtttac      300
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caaagcttca tcattatcac gttcgtcatg agcatacgaa gaagaagctc tcaagcgacc      720
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<210> 983

<211> 756

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(756)

55 <223> n = A,T,C or G

5 <400> 983
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aagatgagtc tgatgatgaa gatgagctctg aagaggatga tgactctgag aaaggaatgg 180
atgttgatga agatgactca gatgatgacg aggaggagga ttctgaggat gaagaagagg 240
10 aggagactcc taagaagcct gagccaatca acaagaagag gccaaatgaa tctgtatcca 300
aaacacccgt ctctggaaag aaggcaaaac cagcagcagc accagcttct actcctcaga 360
agacagaaga gaagaagaaa ggaggacaca cagcgacacc acaccagct aagaagggtg 420
gaaagtctcc tgtgaatgct aaccagagcc ccaagtctgg aggtcaatca tccggtggta 480
acaacaacaa gaagccattc aactcaggca aacaatttgg tggttccaac aagggttcta 540
15 acaagggcaa gggcaagggt agagcttaag gacgtggatc aaggagaggt tttgggtttt 600
cgagtagatg atgaaaacac ttggaagtgt ggttttggat tnntatctta tnntattagt 660
ataactttgt tatcggatga gctattttga gtatttgcag tttctacttt cctatgtaat 720
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20 <210> 984
<211> 756
<212> DNA
<213> Arabidopsis thaliana

25 <400> 984
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tacaacaata cccccaatgg taagagtata tataatagga aataatgaaa ctgtaaactt 180
caggaatctt acggatcacc ccaatgaaca ccagagcaag cagagtagaa gaaaccacag 240
30 atcaagatat ataaagacac aatataagag tatagagaat caccctgtct ctttaaaaca 300
agaagataaa ttaatacaca cataagtgtg tttaaattat atatcaatat ggttttttagc 360
attggaagcc aggaggaagt tgtttgctgc aaacattaag gagtagactt aaagatattg 420
ggaggttcaa gttgattcca agaattgtag ccttaagagc ggtgcagaga caaacggctg 480
cctcaacatc agcgagtcct tggatgaggc tgcagcatgg ctgcaccggt ggcttgccaa 540
35 ggggtcaagtc caggaggccg ttgagcacat tagcgcagac accgagcttg aggggtgtctt 600
tagggcactt gctcgagcca gagctagggc ttggggttgg tttaggagtt ggctttggct 660
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40 <210> 985
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<212> DNA
<213> Arabidopsis thaliana

45 <220>
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<223> n = A,T,C or G

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tgaaagattt cgtgagacat acaagagaag acggttcaag aactcatcaa aaaaggcaac 180
aaacaagaat ggtgaaactc ttatggaaag agaaaaaaca gataagccta tacctttttc 240
55 aagcgatgca gaaccgtcgg ttgtaactac tggaacagcc agtaaagaaa ctctaggatc 300
atctgttggt gttgttgaca ttggtgtcaa caaggttgct tacttttttc aggttgcttt 360

5 gcccggtgtc cgcaaagatt acggtgaatt caactgtgag attgaatcag atggaaaggt 420
tatactggag ggatcaacta caacaggcga aaaaaatatac aagagacatt ctcgggtgtt 480
cgagatgaat atccggaagc tgtgtccgcc tggacctttc aaactgtgct ttaanctccc 540
gggaccagtt gatccgcggc tattctctcc taacttccga tcagatggta tcttcgaggg 600
agtcattcatc cgacacaaaa actcttaatt aaaccggagg ttcctataca agtttnnnac 660
10 ttaggancna tgtagatctt ttatctttat gttnnnggac atagaaggaa agcgaatcaa 720
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<210> 986

<211> 755

15 <212> DNA

<213> Arabidopsis thaliana

<400> 986

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tttagattac aactaactcg taagagtaac tttaaaatgc tattcttaga gaggaagttc 180
tccactgtct gcaattacga ctttgcctct aggagttccg ctttgtttgc cctcagcttc 240
aatcttataa actacatcca ttccctgcac cactttccca aacaccacat gccttccatc 300
taaccagctt gttgtcaccg ttgtgataaa aaactgcgaa ccatttgtgt cttctccga 360
25 gttcgccatt gaaagtacac ctggtccagt gtgcttcagc ttgaagtctt catcagcaaa 420
cttctgacca tagattgatt ctccacccat accgttccca tgcgtgaagt cacctccctg 480
gatcataaag ctgggaatga ttcatggaag cttgcttccc ttgtagtgta gaggtttccc 540
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aactgccttg ccaaatagtc ctataacaac gcgaccagcg gatttgccgt cgatctctac 660
30 atcgaagtaa accttgtgag taacctcctt gagatcttct tttgctgaa ttgaagctat 720
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<210> 987

<211> 755

35 <212> DNA

<213> Arabidopsis thaliana

<400> 987

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gtggctcgac gcggctctag ggcaaggaa aaaaaaaatt ccaaaaatta attccaaaaa 180
gactcttgag agtcttgatt ccccattttc catcttccat gtatttgatg aggatttttt 240
ttcccttttt agtttttttt tttacttggt gcagaggcat ttttgactct cttttttttt 300
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45 catcaagtta ctgttttttt tattctgagt gaaattttac atttttcaca ggtgattgga 420
accaagacaa agatctgtat agttatggaa tacgtttcag gtggtcagct ttcagacaga 480
cttggaagac agaaaatgaa agaatacagat gctagaaaac ttttccaaca attgattgat 540
gctgttgatt attgtcataa cagaggagtt tatcatagag atcttaagcc acaaaacttg 600
ttactagatt caaagggtaa tctcaaagtt tctgactttg gattaagtgc agttcctaaa 660
50 gtaacaattt ctaattttct agtcacacaa agcaaaaatat ttgggtttgt aacaatcaaa 720
ggatgctaaa taagactttt ggtttatgta aaaaa 755

<210> 988

<211> 755

55 <212> DNA

<213> Arabidopsis thaliana

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<400> 988

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cggctaacca	tacgtttctc	ggaagtcgaa	gaggttgtct	tagaatcaaa	gcgatttcca	180
10	ctaaatggga	accgacaaa	gtactgtctt	ttccgaaaaa	tgtattgggt	240
taaaaaactgg	tgattaatct	tagtggtgag	gtgataattg	caggttggtc	ctcaggcaga	300
cagagttctt	gttcgtcttg	aagatcttcc	tattgtcagt	ttagctcctt	tattgtctga	360
aatgtcatga	ttattatcaa	taagctatta	atttgatgaa	tcactaaatt	gaattccatt	420
gccaaaaact	tatgggctct	taaattgtta	ttctgaagaa	atcctcaggt	ggagtattgt	480
15	tgccataaagc	agctgtgaag	tttgagagat	acctaacagg	agagattata	540
ctgaggttgg	acaacaagtt	ggacctggaa	agaggggttt	gttctctgat	gtgagcgctt	600
atgaggtcga	tttggaacc	gatgctaggg	attgcttctg	taaagagagt	gacttggttg	660
ccttcgttga	gtgaagtctt	gtccaagagg	gagagatttg	aagattttac	aagttttctg	720
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<211> 755

<212> DNA

<213> Arabidopsis thaliana

25

<400> 989

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atgcactctt	gtccgctgct	caactcacc	ctaccttcta	cgataggtca	tgctctaattg	180
30	tcactaacat	cgtacgagaa	accattgtaa	atgagtttaag	gtcggaccct	240
cgagcatcct	tcgtcttcac	ttccacgact	gctttgttaa	tggttggtgac	gcatccatct	300
tgtagacaa	cacgacatca	tttcgaacag	agaaagatgc	gtttggaaac	gcaaattcgg	360
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ccgtttcatg	cgcagatatg	ctcaccattg	cagctcaaca	atctgtcact	ttggcaggag	480
35	gtccttcttg	gaggttccct	ttgggaagga	gagacagttt	acaagcattc	540
ctaatacaaa	tcttcagct	ccattcttta	cacttccaca	acttaaagcc	agcttcagaa	600
atgttgggtc	cgatcgctct	tctgatctcg	ttgctctctc	cgggtggtcac	acatttggtg	660
aaaatcaatg	tcagtttatt	cttgacagat	tatacaattt	cagcaacaca	ggtttaccgg	720
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<212> DNA

<213> Arabidopsis thaliana

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<220>

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<223> n = A,T,C or G

50

<400> 990

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aacaggagtt	ccatcacctg	nnagtatact	gaaccagaga	ccccaaactcc	attttcgtca	180
55	aggtttgatg	aagggagtgn	nnacgagtgt	agtacaagtg	cttcctctct	240
nngctaattc	acattgatga	ttgtccatnn	gatcttcggt	cactaccaca	atcaatgggt	300

5	tcocctagttt	cagtgtctca	aatatacttc	cagatccagc	gtgactaata	acaagagatg	360
	cagatcgaat	ataatcagcg	atacttgagg	aaaatgtgaa	gtaatccaca	actaatgatc	420
	catccgctcc	atcacactta	gttgggaaaa	agattcctcg	acccatttga	ataagaagat	480
	gagtaaatacc	tctctttctgc	agttcgtctt	taacattttg	actaaccact	gctttcacaa	540
	gagcatcgaa	actcgttggt	cctacagtta	caaacactac	tctctttgca	ttctctctat	600
10	cctcctccat	ttttaaactt	ctcgattccc	aattccaaat	ctaccaaatc	agactgagga	660
	tacaaaagca	ccgatcgatc	ttaagaggca	gatccaagaa	tcttgctttg	ggatgaatcg	720
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15 <211> 755

<212> DNA

<213> Arabidopsis thaliana

<400> 991

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	aattttctggt	tttgaatctg	aataatttca	agttcttgtc	caaggaatat	aaccccacca	180
	agcgctgcc	aacacccgag	atctctagtt	catggcaatc	caaacgtgaa	catggttttt	240
	gccttcaata	tggtaggcta	tactattatt	gctggacctt	cctgaattct	ctaagaactg	300
25	ggtagatatt	ctcaaatgcg	gtataagtct	cttctctcat	cttggctcca	gttataacaa	360
	tctttcctga	cacaaaaata	agcagtacaa	tctttggtag	tttcataccta	tatatcaatc	420
	ctggaaatag	ctcaggctcg	taacttgaga	aagcactgtg	agagtatgca	agaccttcaa	480
	gcctaattggg	gaatttgaca	tcacatgagc	ctacaatggt	ctgaatctta	aaatccttga	540
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30	aaagatgttc	acttttagct	ccggtacaca	ccattttccc	agaagcaaaa	attaacgctg	660
	tggctcttgg	ctctctgatc	ctcatgatta	cagcagcgaa	acgcttgggg	ttatattcag	720
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35 <211> 754

<212> DNA

<213> Arabidopsis thaliana

<400> 992

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	cttctgaatg	tagtagagag	caacaatggt	catcatacca	ccagagtaag	tcctaattgcc	180
	tgtttatatac	aaatcttctg	taccgttttt	cgcacttctt	gttccgagct	attggtttct	240
	tgttcacgat	tatgattcag	tgagcactaa	ttccttatcg	caaactggac	acgcctcgct	300
45	tctttccatc	catgcaagaa	tgcaagcgag	atgaaagtca	tggccacatt	tagtgagcaa	360
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	atactgtttc	tttagctcaa	aatcagttag	atcatcaaca	tgccatgttt	tcttctctgg	480
	aacaacttgt	gtgagtcctg	gggatgcttc	actcgaattg	ccctgagttc	ttggcaattt	540
	cgggtggacta	gtttgaagat	ttatatctgt	gatggctaaa	ggaataggcg	gcgaaagagg	600
50	tgaactgtat	gcattagaga	gagaggaagg	cgtggcacga	gataagggaa	gatgtctatc	660
	tatagttctt	gagctttcgg	gtatactcgg	gagacaacag	cagcaaccca	ttctttggta	720
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55 <211> 754

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5 <213> Arabidopsis thaliana

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<221> misc_feature

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10 <223> n = A,T,C or G

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15	ttccaagtct	cagagaacag	agtcatagcc	attgatctaa	tgtacaacac	ccaaaagaag	180
	agaagattga	ttgtttgggc	taagaaaaca	gaaagagcgt	aaccaacccc	gtagtagaga	240
	gtttcagata	accttcttct	tctcgaaaaa	cgtcttcaag	tgcaaaaact	gcatccctgc	300
	aactcctatg	cagacgaaaa	acgagagaac	actcaaccac	gccatttttg	tgtagtgga	360
	ccggttcaag	tcttgcatct	cttcttccct	atctctaaga	taatacatct	cttcatgaat	420
20	cgagttaaca	gtatcaagaa	gactctttac	ttcaaattcc	ataacttcga	cttgactctt	480
	cttagcaaca	ttagccagc	ttttagattg	aacaccagtc	ttccactcaa	agtcaatact	540
	caacgaaacc	tcaggcttat	gatcaacagc	agtgaacaaa	gccatgtaat	cacctgcttc	600
	aacagccgag	aatgcgaatt	gtcctgaann	nacttggtcc	gcgtgatggg	aattgtnanc	660
	ngaattagac	gtcacnnnna	cggaaat	gtgagttt	ggtaaagctt	gaccttcgtg	720
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<211> 753

<212> DNA

30 <213> Arabidopsis thaliana

<400> 994

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35	attcagaaac	ataagtgcaa	taatggactg	tgtaggctgt	gagaaatgcc	gtctatgggg	180
	aaagcttcag	attctcggtc	tcggtaactgc	attgaaaatt	ctattcactg	tcaatggtga	240
	agacaatttg	cgtcataatc	tcgaattgca	aaggaacgaa	gtgattgcgc	tgatgaatct	300
	tctccaccga	ttatctgaat	ccgtgaagta	tgttcatgac	atgagtctctg	cggccgagag	360
	aatcgcaggt	ggacatgcct	cttcagggaa	cagcttttgg	caaagaatag	tgacatctat	420
40	agcgcaatca	aaagctgtat	ctgggaagag	aagctagatg	ttcaatgagg	tctggggggt	480
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	ttgatttacc	ctttaacgtg	aatttagaga	atcttacatg	aaactaaaaa	tattgtacgg	660
	attttgaat	ttgttgacag	tcccttctga	agtaaacata	gaatgggtgg	aaaaacgtga	720
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<212> DNA

50 <213> Arabidopsis thaliana

<400> 995

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55	ggcaggatgg	cttcttggtg	tcgaaaatgt	atttacttga	agcctaagtt	ggagaaatta	180
	gcggcagaat	ataataaccg	gtaagctaac	aaaagaatca	acaatttaca	tggtatgttat	240

5 tgcaaagggtt gattatattg tgaacaaaaa tgatttttct tacaacagag caaagtttta 300
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 10 aaaagtaaat taacataata atgagaaaaa tgagtgggtga atgcagttat ggaaggaaga 600
 tgagatgaaa gaggaggtga ttggaggtca caaaggatgg cttgtcatcg aagaagttag 660
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 tcttttaaaa aaaattaata tgtacagtca gtt 753

15 <210> 996
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20 <400> 996
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 aaaaaataaa attaagaaaa aaaccatgtc gagattctga caaaacgatg aacaaaaact 180
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 25 tgtttttggc ttctcgatct tgacataagg gagaactccc agaaagtatt ttacctttgg 300
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 gaggttaagca tggactatgg caaaggcagc accgtagagg aagagaaaag tgggcattgt 660
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35 <210> 997
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 <213> Arabidopsis thaliana

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 tccacgtgta acttaaccta aaggctcccta gttcagtaaa catggaaagt gaacaagcga 180
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 cgctgaaatt gttgagagat tcggcgggaa agtcaacgtg gcaccactac gatggggaga 720
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55 <210> 998
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5 <212> DNA
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<220>
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10 <222> (1)...(752)
 <223> n = A,T,C or G

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 caagggtacg gatcaggtgg ccaagggtac ggaaccggtg gccaggata cggaaccggg 180
 accgggactg aaggctttgg aactggcgga ggagctaggc accacggcca agagcaactc 240
 cacaaggaaa gtggtggtgg cttgggagga atgcttcacc gctccggatc tggatccagc 300
 tctagctcgg aggatgatgg acaaggaggg aggaggaaga agggaataac acaaaagatc 360
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